DOMBROWSKI, COLIN, 12/10/2024 11:55 AM

HR GREEN Xrefs: Vicinity-Map; Cover_contacts; EPC_CD_Approval; EPC_CD_Owner_Approval; legal_description; Legend; xc-dsgn-030,202; xc-row-030,202; xc-dsgn-240; xc-row-030,240; xgt-1-dh01-1030,240; Riprap_Detail; rdwy_typicals

FLYING HORSE NORTH FILING NO. 4
CONSTRUCTION DOCUMENTS

A TRACT OF LAND BEING A PORTION OF SECTION 30, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE 6TH P.M., AND A PORTION OF SECTION 31, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE 6TH P.M.,
CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO

LEGAL DESCRIPTION:

TWO (2) PARCELS OF LAND BEING A PORTION OF NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 11 SOUTH, RANGE 66 WEST, A PORTION OF SOUTH HALF OF SECTION 30, AND A PORTION OF NORTH HALF OF SECTION 31, TOWNSHIP 11 SOUTH, RANGE 65 WEST THE SIXTH PRINCIPAL MERIDIAN, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: THE NORTH LINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE WEST END BY A 1" YELLOW PLASTIC CAP STAMPED "18235" AND THE EAST END BY A 2" ALUMINUM CAP STAMPED "32439" WITH APPROPRIATE MARKINGS, IS ASSUMED TO BEAR N89°03'58"E A DISTANCE OF 1,332.09 FEET.

PARCEL 1:

COMMENCING AT THE NORTHWEST CORNER OF SECTION 31, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, SAID POINT BEING THE POINT OF BEGINNING; THENCE N89°06'20"E ON THE NORTH OF LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 31 A DISTANCE OF 1,474.13 FEET TO THE WEST SIXTEENTH CORNER OF SAID SECTION 31; THENCE N00°08'36"E ON THE WEST LINE OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 30, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, A DISTANCE OF 1325.48 FEET TO THE SOUTHWEST SIXTEENTH CORNER OF SAID SECTION 30; THENCE N89°03'20"E ON THE NORTH LINE OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 30,, A DISTANCE OF 920.27 FEET; THENCE N00°08'15"E A DISTANCE OF 128.29 FEET; THENCE S55°57'42"E A DISTANCE OF 423.40 FEET; THENCE S13°57'08"E A DISTANCE OF 628.43 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF OLD STAGECOACH ROAD AS PLATTED IN FLYING HORSE NORTH FILING NO.1, RECORDED UNDER RECEPTION NUMBER 218714238; THENCE ON SAID NORTHERLY RIGHT-OF-WAY LINE THE FOLLOWING SIX (6) COURSES:

1. S52°41'25"W A DISTANCE OF 1,517.83 FEET TO A POINT OF CURVE;
2. ON THE ARC OF A CURVE TO THE RIGHT HAVING A DELTA OF 52°50'29", A RADIUS OF 760.00 FEET A DISTANCE OF 700.92 FEET TO A POINT OF TANGENT;
3. N74°28'06"W A DISTANCE OF 169.05 FEET TO A POINT OF CURVE;
4. ON THE ARC OF A CURVE TO THE LEFT, HAVING A DELTA OF 32°53'45", A RADIUS OF 1,640.00 FEET, A DISTANCE OF 941.59 FEET TO A POINT OF TANGENT;
5. S72°38'09"W A DISTANCE OF 400.46 FEET TO A POINT OF CURVE;
6. ON THE ARC OF A CURVE TO THE RIGHT, HAVING A DELTA OF 00°45'53", A RADIUS OF 3,460.00 FEET A DISTANCE OF 46.18 FEET TO A POINT ON CURVE, SAID POINT BEING THE SOUTHEAST CORNER OF LOT 28 OF SAID FLYING HORSE NORTH FILING NO. 1;

THENCE N00°13'46"W ON THE EAST LINE OF SAID LOT 28, A DISTANCE OF 497.29 FEET TO A POINT ON THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN; THENCE N89°03'58"E ON SAID NORTH LINE A DISTANCE OF 491.20 FEET TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 2,475,776 SQUARE FEET OR 56.836 ACRES, MORE OR LESS.

PARCEL 2:

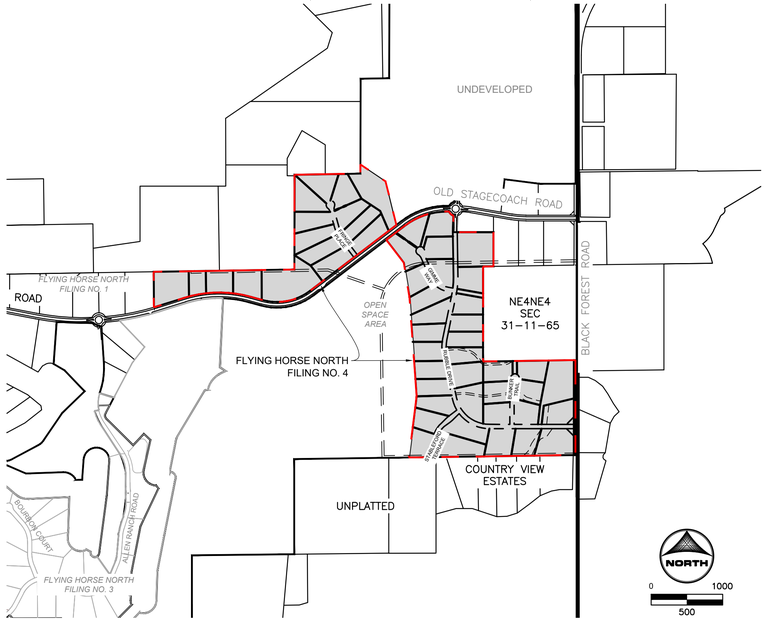
COMMENCING AT THE SOUTHEAST CORNER OF LOT 80, FLYING HORSE NORTH FILING NO.1, RECORDED UNDER RECEPTION NUMBER 218714238, SAID POINT BEING ON THE WESTERLY LINE OF LOT 79, FLYING HORSE NORTH FILING NO. 1, SAID POINT BEING THE POINT OF BEGINNING; THENCE S00°00'00"E ON THE WEST LINE OF SAID LOT 79, A DISTANCE OF 477.97 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 30, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN.

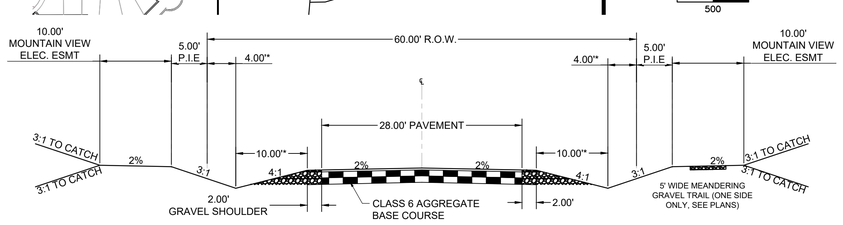
THENCE S89°04'37"W, ON THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 30, A DISTANCE OF 144.30 FEET TO THE EAST SIXTEENTH CORNER OF SECTION 31; THENCE S00°00'11"E, ON THE EAST LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 1,326.67 FEET TO THE NORTHEAST SIXTEENTH CORNER OF SAID SECTION 31; THENCE N89°08'21"E, ON THE NORTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 1,289.57 FEET TO A POINT ON THE WESTERLY RIGHT OF WAY LINE OF BLACK FOREST ROAD, SAID POINT BEING 30.00 FEET WEST OF AND PARALLEL TO THE EAST LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31; THENCE S00°00'54"W, ON THE WESTERLY RIGHT OF WAY LINE OF SAID BLACK FOREST ROAD BEING ALSO 30.00 FEET WEST OF AND PARALLEL TO THE EAST LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 1,328.09 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31; THENCE S89°11'15"W, ON THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 2,327.40 FEET; THENCE N07°08'46"E A DISTANCE OF 860.74 FEET; THENCE N04°05'31"W A DISTANCE OF 1,388.17 FEET; THENCE N09°22'22"W A DISTANCE OF 488.58 FEET; THENCE N37°18'35"W A DISTANCE OF 402.75 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF OLD STAGECOACH ROAD AS PLATTED IN FLYING HORSE NORTH FILING NO.1, RECORDED UNDER RECEPTION NUMBER 218714238; THENCE ON THE BOUNDARY OF SAID FLYING HORSE NORTH FILING NO.1 THE FOLLOWING EIGHT (8) COURSES:

1. N52°41'25"E A DISTANCE OF 330.02 FEET TO A POINT OF CURVE;
2. ON THE ARC OF A CURVE TO THE RIGHT HAVING A DELTA OF 38°46'50", A RADIUS OF 960.00 FEET A DISTANCE OF 649.77 FEET TO A POINT OF TANGENT;
3. S88°31'45"E A DISTANCE OF 8.27 FEET TO A POINT ON CURVE;
4. ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS N67°53'33"E, HAVING A DELTA OF 48°57'51", A RADIUS OF 100.00 FEET A DISTANCE OF 85.46 FEET TO A POINT ON CURVE;
5. S01°28'15"W A DISTANCE OF 152.16 FEET TO A POINT OF CURVE;
6. ON THE ARC OF A CURVE TO THE LEFT HAVING A DELTA OF 00°53'47", A RADIUS OF 5,030.00 FEET A DISTANCE OF 78.69 FEET TO A POINT ON CURVE;
7. S89°25'32"E A DISTANCE OF 60.00 FEET;
8. N89°59'56"E A DISTANCE OF 505.80 FEET TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 5,181,149 SQUARE FEET OR 119.943 ACRES, MORE OR LESS.

PARCEL 1 AND PARCEL 2 CONTAIN A TOTAL CALCULATED AREA OF 7,656,925 SQUARE FEET OR 175.779 ACRES.

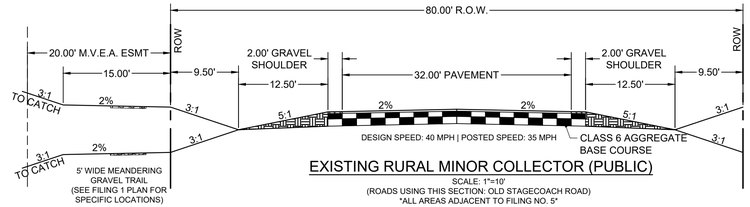




TYPICAL RURAL LOCAL CROSS SECTION

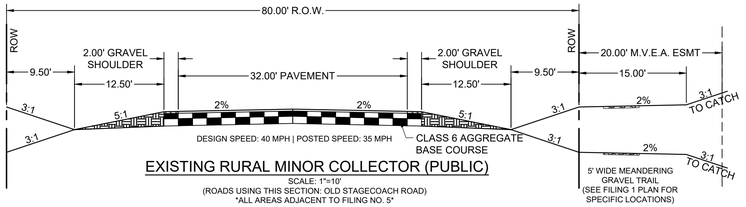
DESIGN SPEED: 30 MPH | POSTED SPEED: 30 MPH

SCALE: 1"=10'
(ROADS USING THIS SECTION: ROUGH TRAIL & SANDBAGGER DRIVE)
*DIMENSIONS MAY VARY FOR EXPANDED DITCH SECTIONS AS CALLED OUT OUT ON PLANS



EXISTING RURAL MINOR COLLECTOR (PUBLIC)

SCALE: 1"=10'
(ROADS USING THIS SECTION: OLD STAGECOACH ROAD)
ALL AREAS ADJACENT TO FILING NO. 5



EXISTING RURAL MINOR COLLECTOR (PUBLIC)

SCALE: 1"=10'
(ROADS USING THIS SECTION: OLD STAGECOACH ROAD)
ALL AREAS ADJACENT TO FILING NO. 5

PROJECT CONTACTS:

OWNER/DEVELOPER
PRI #2
6385 CORPORATE DRIVE, STE. 200
COLORADO SPRINGS, CO 80919
ATTN: DREW BALSICK
TELE: (719) 592-9333

APPLICANT
HR GREEN
1975 RESEARCH PKWY SUITE 160
COLORADO SPRINGS, CO 80920
TELE: (719) 300-4140
ATTN: RICHIE LYON, P.E.
EMAIL: RICHIE.LYON@HRGREEN.COM

CIVIL ENGINEER
HR GREEN
1975 RESEARCH PKWY SUITE 160
COLORADO SPRINGS, CO 80920
TELE: (719) 300-4140
ATTN: RICHIE LYON, P.E.
EMAIL: RICHIE.LYON@HRGREEN.COM

GEOTECHNICAL ENGINEER
COMPANY: ENTECH ENGINEERING, INC
ADDRESS: 505 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
TELE: (719) 531-5599
ATTN: JOE GOODE
EMAIL: JGOODE@ENTECH-ENGINEERING.COM

TRAFFIC ENGINEER
SM ROCHA LLC.
8703 YATES DRIVE, STE 210
WESTMINSTER, CO 80031
TELE: (303) 458-9798
ATTN: MIKE ROCHA
EMAIL: MIKE@SMROCHA.COM

SURVEYOR
EDWARD-JAMES SURVEYING, INC.
926 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
TELE: (719) 576-1216
ATTN: JONATHAN W. TESSIN
EMAIL: JTESSIN@EJSURVEYING.COM

UTILITY CONTACTS

ELECTRIC
MOUNTAIN VIEW ELECTRIC ASSOCIATION
P.O BOX 1600
LIMON, CO 80831
TELE: (719) 392-3491
ATTN: LES ULFERS

NATURAL GAS
BLACK HILLS ENERGY
37 WIDEFIELD BLVD
WIDEFIELD, CO 80911
TELE: (719) 332-5856
ATTN: GEORGE M. PETERSON

FIRE
BLACK FOREST FIRE PROTECTION DISTRICT
114455 TEACHOUT ROAD
COLORADO SPRINGS, CO 80908
TELE: (719) 495-4300
ATTN: PJ LANGMAID

SHEET INDEX

1 - COVER
2 - LEGEND
3 - OVERALL SITE PLAN
4 - 7 - RUBBLE DRIVE
8 - GIMME WAY
9 - STABLEFORD TERRACE
10 - BUNKER TRAIL
11 - FRINGE PLACE
12 - ROADWAY INTERSECTION DETAILS
13 - BLACK FOREST ROAD & OLD STAGECOACH ROAD
14 - SIGNAGE AND STRIPING
15 - 18 - STORM CULVERTS
19 - POND OUTLET PIPES
20 - POND DETAILS
21 - 22 - POND A GRADING PLAN
23 - POND A FOREBAY
24 - POND A OUTLET STRUCTURE
25 - POND A OUTLET STRUCTURE DETAILS
26 - POND B GRADING PLAN
27 - POND B FOREBAY
28 - POND B OUTLET STRUCTURE
29 - POND B OUTLET STRUCTURE DETAILS
30 - 31 - POND C GRADING PLAN
32 - POND C FOREBAY
33 - POND C OUTLET STRUCTURE
34 - POND C OUTLET STRUCTURE DETAILS
35 - STORM DETAILS
36 - SWALE GRADING

EL PASO COUNTY

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/ OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/ OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

Digitally signed by Gilbert LaForce, P.E.
DN: C=US, E=gilbert.laforce@elpasoco.com, O=El Paso County, OU=Authorized signatory as Public Engineer designee
Date: 2025.02.20 08:35:00 -07'00'

Gilbert LaForce, P.E. 2/20/2025

JOSHUA PALMER P.E. DATE
COUNTY ENGINEER

DESIGN ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

RICHARD D. LYON, COLORADO P.E. NO. 53921 — 01/02/2025 DATE

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

DREW BALSICK, PRI #2 LLC. — 01/02/2025 DATE
VICE PRESIDENT

As-Built Document
PE Approval by: Richard D Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 10:43:30 AM

COLORADO LICENSED — RICHARD D. LYON — 53921 — PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	11/26/2024
APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	12/10/2024		
CAD FILE:	J:\2021\211030\CAD\Dwgs\C\Filing_No_4\CoverSheet		

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

COVER & LEGEND
COVER

SHEET CV

1

DOMBROWSKI, COLIN, 12/5/2024 4:35 PM

HR GREEN Xrefs: Vicinity-Map; Cover_contacts; EPC_CD_Approval; EPC_CD_Owner_Approval; legal_description; Legend; xc-dsgn-030.202; xc-row-030.202; xc-dsgn-240; xc-row-030.240; xgt-1-dh01-1030.240; Riprap_Detail; rdwy_typicals

EL PASO COUNTY STANDARD CONSTRUCTION NOTES:

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FILED NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC)
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
   A. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
   B. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
   C. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
   D. CDOT M & S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY EPC.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DPW, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

GENERAL CONSTRUCTION NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK. THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION, ANY DAMAGE TO THE UTILITIES WILL BE REPLACED AT THE CONTRACTORS EXPENSE AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
3. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
4. ALL BACKFILL, SUB-BASE AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED TO THE SOILS ENGINEERS RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES ENGINEERING DIVISION.
5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE INDICATED.
6. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K - 1.2C
7. ALL INTERSECTION ACCESSES ARE TO BE CONSTRUCTED WITH A 25 FOOT SIGHT VISIBILITY TRIANGLE AND THERE SHALL BE NO OBSTRUCTIONS GREATER THAN 18" IN THIS AREA.
8. ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED FOR ROADS SHALL BE PER DESIGN REPORT BY OWNERS GEOTECHNICAL ENGINEER. OWNERS GEOTECHNICAL ENGINEER TO BE ON SITE AT TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENTS DESIGN SHALL BE APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES ENGINEERING DIVISION PRIOR TO CONSTRUCTION.
9. TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MIRAFI 180n OR EQUAL MAY BE SUBSTITUTED WHERE TYPE I RIP-RAP WITH MIRAFI FW 700 OR EQUAL IS SPECIFIED.
10. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH ANY AND ALL APPLICABLE EL PASO COUNTY STANDARDS AND WITH METRO DISTRICT CONSULTING ENGINEER APPROVAL.
11. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DETAILED AS-BUILT OF ALL STORM SEWER AND CISTERN INSTALLATIONS, INCLUDING ACCURATE DISTANCES OF MAIN LINES, VALVES, FITTINGS, MANHOLES, AND LOCATIONS OF APPURTENANCES.
12. DRAINAGE EASEMENTS ARE PLATTED THROUGHOUT THE FILING AND ARE NO-BUILD AREAS. ALL OTHER AREAS THAT FALL WITHIN IDENTIFIED GEOLOGIC HAZARD AREAS (SEASONAL STORMWATER POOLING, STANDING WATER CONDITIONS) MAY BE MITIGATED ON A PER LOT BASIS WITH EARTHWORK AND FINE GRADING CONSTRUCTION. NO DISTURBANCE FOR EARTHWORK OR GRADING SHALL TAKE PLACE WITHIN THE DESIGNATED DRAINAGE EASEMENTS AND ANY SITE AND FUTURE LOT DISTURBANCE THAT ALTERS THE EXISTING TOPOGRAPHY SHALL DRAIN TO THE DRAINAGE EASEMENTS ON SITE.

Channel Lining Determination

Calculated Values			P300 Max Values		
Section	Shear Stress	Velocity	Shear Stress	Velocity	Lining Required
A-A	1.51	5.79	3	9	P300
B-B	0.83	3.92	3	9	NONE
C-C	1.12	3.33	3	9	NONE
D-D	0.95	3.91	3	9	NONE
E-E	2.25	4.44	3	9	TMAX
F-F	3.71	7.56	3	9	TMAX
G-G	4.61	6.86	3	9	TMAX
H-H	3.75	7.75	3	9	TMAX
I-I	6.09	8.90	3	9	TMAX
SECTION A1	3.06	6.10	3	9	TMAX
SECTION A2	2.27	5.23	3	9	P300
SECTION B	2.19	5.24	3	9	P300
SECTION C	1.42	4.14	3	9	P300
SECTION D	2.32	5.25	3	9	P300
SECTION E	2.71	5.78	3	9	P300

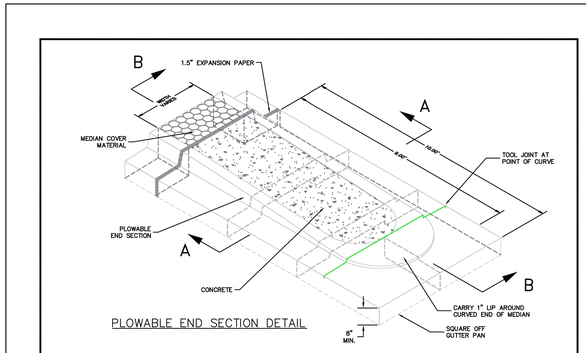
CHANNEL LININGS BY ROADWAY/STATION

ROADWAY SWALES	START STATION	END STATION	LINING
RUBBLE DRIVE	12+89.60	47+00.00	P300
RUBBLE DRIVE	47+00.00	END OF SWALE	TMAX
GIMME WAY	FULL ROAD	FULL ROAD	P300
STABLEFORD TERRACE	FULL ROAD	FULL ROAD	P300
BUNKER TRAIL	FULL ROAD	FULL ROAD	P300
FRINGE PLACE	FULL ROAD	FULL ROAD	P300

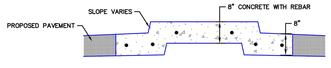
NOTES:
- THE TABLES ABOVE SHOW A SUMMARY OF THE CHANNEL LINING REQUIREMENTS WITHIN NATURAL TERTIARY CHANNELS AND ROADSIDE SWALES BASED ON COMPUTATIONS OF SHEAR STRESS AND VELOCITY FOR THE MAJOR STORM EVENTS (100-YEAR) AT THE RESPECTIVE SECTIONS PER THE FINAL DRAINAGE REPORT.
- SEE THE FINAL GEC PLANS FOR CHANNEL LOCATION CALLOUTS.

ABBREVIATIONS

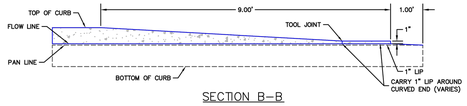
Δ	DEFLECTION ANGLE
Ø, DIA	DIAMETER
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ABC	ASPHALT BASE COURSE
ABD	ABANDONED
AC	ACRE
ADA	THE AMERICANS WITH DISABILITIES ACT
ASPH	ASPHALT
ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
BFE	BASE FLOOD ELEVATION
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCH MARK
BNDY	BOUNDARY
BOP	BOTTOM OF POND
BW	BOTTOM OF WALL
C&G	CURB AND GUTTER
CA	COARSE AGGREGATE
CATV	CABLE TELEVISION
CB	CHORD BEARING/CATCH BASIN
CFS	CUBIC FEET PER SECOND
CIP	CAST IRON PIPE
CL	CENTER LINE
CMP	CORRUGATED METAL PIPE
COMP	COMPOSITE
CONC	CONCRETE
CONST	CONSTRUCT OR CONSTRUCTION
CSP	CORRUGATED STEEL PIPE
CSU	COLORADO SPRINGS UTILITIES
CT	COURT
CTR	CENTER
CU	COPPER
CY	CUBIC YARD
DBL	DOUBLE
DEG	DEGREE
DET	DETAIL
DEPT	DEPARTMENT
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DOT	DEPARTMENT OF TRANSPORTATION
DWG	DRAWING
E	EAST/EASTING
EL	ELEVATION
ELEC	ELECTRIC
EOG	EDGE OF GUTTER
EOP	EDGE OF PAVEMENT
ESMT	EASEMENT
EW	ENDWALL
EX	EXISTING
FD	FRENCH DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FLANGE ELEVATION
FES	FLARED END SECTION
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FL	FLOW LINE
FOC	FIBER OPTICS CABLE
FT	FOOT OR FEET
GB	GRADE BREAK
GAL	GALLON
HDPE	HIGH DENSITY POLYETHYLENE
HC RAMP	HANDICAP RAMP
HW	HEADWALL
INV	INVERT
KM	KILOMETER
L	LENGTH
LF	LINEAR FEET
M	METER
MIN	MINIMUM
MISC	MISCELLANEOUS
MAINT	MAINTENANCE
MAX	MAXIMUM
MH	MANHOLE
MP	MIDPOINT
N	NORTH/NORTHING
NO	NUMBER
OC	ON CENTER
OH	OVERHEAD
PB	PUBLIC
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	POINT OF CURB RETURN
PI	POINT OF INTERSECTION
PIE	PUBLIC IMPROVEMENT ESMT
PT	POINT OF TANGENCY
PRC	PROPOSED
PRC	POINT OF REVERSE CURVATURE
PRV	PRESSURE REDUCING VALVE
PVT	PRIVATE
PUAE	PUBLIC UTILITY AND ACCESS ESMT
PUADE	PUBLIC UTILITY, ACCESS AND DRAINAGE ESMT
PVC	POLYVINYL CHLORIDE
R	RADIUS
REC	RECEPTION
RCBC	REINFORCED CONCRETE BOX CULVERT
S	SOUTH
SHT	SHEET
SQ	SQUARE
SW	SPILLWAY
TBC	TOP BACK OF CURB
TC	TRICKLE CHANNEL
TOP	TOP OF POND
TW	TOP OF WALL
TYP	TYPICAL
UG	UNDERGROUND
VERT	VERTICAL
W	WEST
WW	WASTEWATER
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT
YD	YARD



PLOWABLE END SECTION DETAIL



SECTION A–A

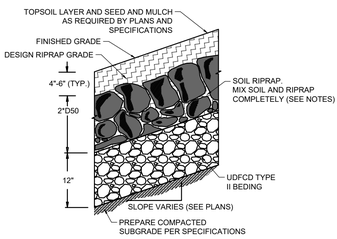


SECTION B–B

NOTES:
1. MEDIAN NOSE CONCRETE AND CURB & GUTTER SHALL BE PLACED MONOLITHIC WITH NON-COLORED CONCRETE REINFORCED #4 REBAR AT 18" E.W.
2. MEDIANS GREATER THAN 10' WIDE (BOC TO BOC) DO NOT REQUIRE MEDIAN NOSE.

SCALE: NOT TO SCALE

1/12/16 DATE APPROVED: André P. Brackin DEPARTMENT OF TRANSPORTATION	Plowable Median Nose Detail Standard Drawing REVISION DATE: 1/12/16 FILE NAME: SD_2-22	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION



SOIL RIPRAP EMBANKMENT PROTECTION WITH BEDDING TYP. SECTION

N.T.S

RIPRAP NOTES.
1. SOIL RIPRAP DETAILS ARE APPLICABLE TO SLOPED AREAS REFER TO THE SITE PLAN ACTUAL LOCATION AND LIMITS.
2. MIX UNIFORMLY 65% RIPRAP BY VOLUME WITH 35% OF APPROVED SOIL BY VOLUME PRIOR TO PLACEMENT.
3. PLACE STONE-SOIL MIX TO RESULT IN SECURELY INTERLOCKED ROCK AT THE DESIGN THICKNESS AND GRADE. COMPACT AND LEVEL TO ELIMINATE ALL VOIDS AND ROCKS PROJECTING ABOVE DESIGN RIPRAP TOP GRADE.
4. CRIMP OR TACKIFY MULCH OR USE APPROVED HYDROMULCH AS CALLED FOR IN THE PLANS AND SPECIFICATIONS.
5. ROCK SHALL BE HARD, DURABLE, ANGULAR IN SHAPE, AND FREE FROM CRACKS, OVERBURDEN, SHALE, AND ORGANIC MATTER.
6. NEITHER BREADTH NOR THICKNESS OF A SINGLE STONE SHOULD BE LESS THAN ONE-THIRD ITS LENGTH, AND ROUNDED STONE SHOULD BE AVOIDED.
7. THE ROCK SHOULD SUSTAIN A LOSS OF NOT MORE THAN 40% AFTER 500 REVOLUTIONS IN AN ABRASION TEST (LOS ANGELES MACHINEASTM C-535-69) AND SHOULD SUSTAIN A LOSS OF NOT MORE THAN 10% AFTER 12 CYCLES OF FREEZING AND THAWING (AASHTO TEST 103 FOR LEDGE ROCK PROCEDURE A).
8. ROCK HAVING A MINIMUM SPECIFIC GRAVITY OF 2.65 IS PREFERRED; HOWEVER, IN NO CASE SHOULD ROCK HAVE A SPECIFIC GRAVITY LESS THAN 2.50.

TYPE L RIPRAP

INTERMEDIATE ROCK DIMENSION (IN .)	PERCENT PASSING (%)
15	70-100
12	50-70
9	35-50
3	2-10

*TYPE L RIPRAP D50=9":
D50=MEAN PARTICLE SIZE
(INTERMEDIATE DIMENSION) BY WEIGHT

TYPE H RIPRAP

INTERMEDIATE ROCK DIMENSION (IN .)	PERCENT PASSING (%)
30	70-100
24	50-70
18	35-50
6	2-10

*TYPE L RIPRAP D50=18"
D50=MEAN PARTICLE SIZE
(INTERMEDIATE DIMENSION) BY WEIGHT

TYPE VL RIPRAP

INTERMEDIATE ROCK DIMENSION (IN .)	PERCENT PASSING (%)
12	70-100
9	50-70
6	35-50
2	2-10

*TYPE L RIPRAP D50=6"
D50=MEAN PARTICLE SIZE
(INTERMEDIATE DIMENSION) BY WEIGHT

TYPE M RIPRAP

INTERMEDIATE ROCK DIMENSION (IN .)	PERCENT PASSING (%)
21	70-100
18	50-70
12	35-50
4	2-10

*TYPE L RIPRAP D50=12"
D50=MEAN PARTICLE SIZE
(INTERMEDIATE DIMENSION) BY WEIGHT

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 10:43:30 AM

COLORADO LICENSED RICHARD D. LYON 53921 PROFESSIONAL ENGINEER

LEGEND

	EXISTING	PROPOSED
MATCH LINE		
FILING LINE		
SECTION LINE		
PROPERTY LINE		
EASEMENT LINE		
RIGHT OF WAY		
CENTERLINE		
CHAIN LINK FENCE		
WOODEN FENCE		
ROD IRON FENCE		
GUARDRAIL		
CABLE TV	TV	TV
U.G. ELECTRIC	UE	UE
OVERHEAD ELECTRIC	OE	OE
FIBER OPTIC	FO	FO
GAS MAIN		
SANITARY SEWER	SS	
STORM DRAIN		
TELEPHONE	UT	UT
WATER MAIN	W	W
SWALE		
TRAIL		
CURB & GUTTER		
DRAINAGE BASIN		
INDEX CONTOUR		
INTER. CONTOUR		
100-YR FLOODPLAIN		
FLOODWAY		
EDGE OF WETLANDS		

DRAINAGE	EXISTING	PROPOSED
DRAINAGE BASIN		
BASIN TAG		I.D. AREA
DESIGN POINT		

STORM SEWER	EXISTING	PROPOSED
MANHOLE	Ⓢ	Ⓓ
STORM INLET		
FLARED END SECTION		
RIPRAP		

SANITARY SEWER	
CLEAN OUT	
MANHOLE	Ⓢ
PLUG	

WATER	
FIRE HYDRANT	
FIRE DEPT. CONNECTION	FDC
GATE VALVE	
MANHOLE	Ⓦ
METER	WM
TEE	
REDUCER	

DRY UTILITIES	
ELECTRIC METER	EM
ELECTRIC PEDESTAL	E
ELECTRICAL CABINET	E
ELECTRIC VAULT	EV
FIBER OPTIC PULL BOX	F
FIBER OPTIC MANHOLE	FO
FIBER OPTIC PEDESTAL	FO
FIBER OPTIC SIGN	FO
FIBER OPTIC VAULT	FV
GAS METER	GM
GAS SIGN	G
GAS VAULT	GV
TELEPHONE CABINET	T
TELEPHONE MANHOLE	TH
TELEPHONE SIGNAL/MAST	T
TELEPHONE SIGN	T
TELEPHONE PEDESTAL	T
TRANSFORMER	
LIGHT POLE	
FIBER OPTIC VAULT	FV

MISCELLANEOUS	
SIGN	
BOLLLARD	
ACCESSIBLE PARKING	

COLORADO LICENSED RICHARD D. LYON 53921 PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

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APPROVED: RDL JOB NUMBER: 211030.240
CAD DATE: 12/5/2024
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\CoverSheet

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

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HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

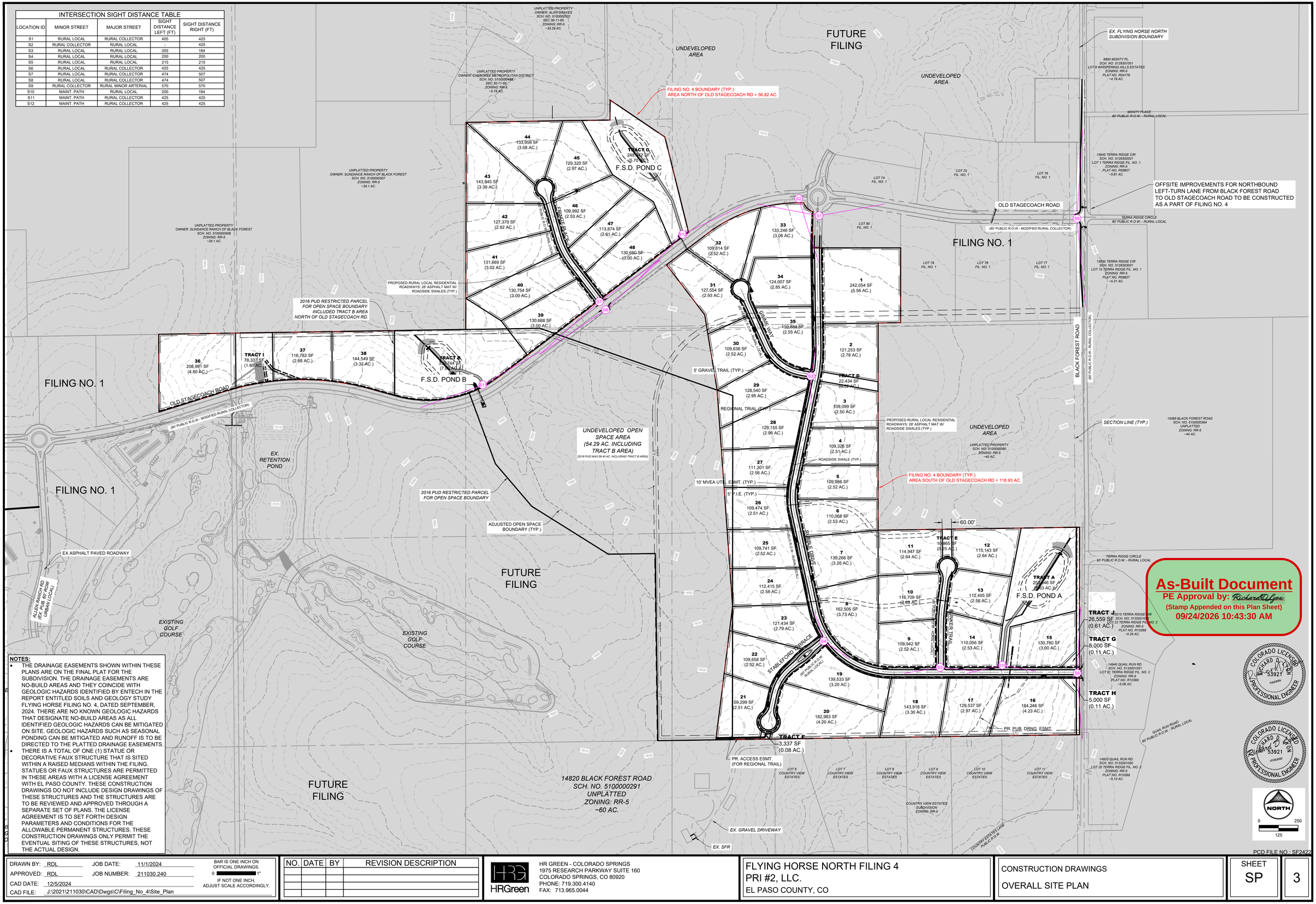
COVER & LEGEND
LEGEND

SHEET LG 2

DOMBROWSKI, COLIN, 12/5/2024 4:36 PM

INTERSECTION SIGHT DISTANCE TABLE

LOCATION ID	MINOR STREET	MAJOR STREET	SIGHT DISTANCE LEFT (FT)	SIGHT DISTANCE RIGHT (FT)
S1	RURAL LOCAL	RURAL COLLECTOR	405	425
S2	RURAL COLLECTOR	RURAL LOCAL	-	425
S3	RURAL LOCAL	RURAL LOCAL	205	184
S4	RURAL LOCAL	RURAL LOCAL	200	200
S5	RURAL LOCAL	RURAL LOCAL	215	215
S6	RURAL LOCAL	RURAL COLLECTOR	425	425
S7	RURAL LOCAL	RURAL COLLECTOR	474	507
S8	RURAL LOCAL	RURAL COLLECTOR	474	507
S9	RURAL COLLECTOR	RURAL MINOR ARTERIAL	570	570
S10	MAINT. PATH	RURAL LOCAL	200	184
S11	MAINT. PATH	RURAL COLLECTOR	425	425
S12	MAINT. PATH	RURAL COLLECTOR	425	425



NOTES:

- THE DRAINAGE EASEMENTS SHOWN WITHIN THESE PLANS ARE ON THE FINAL PLAT FOR THE SUBDIVISION. THE DRAINAGE EASEMENTS ARE NO-BUILD AREAS AND THEY COINCIDE WITH GEOLOGIC HAZARDS IDENTIFIED BY ENTECH IN THE REPORT ENTITLED SOILS AND GEOLOGY STUDY FLYING HORSE FILING NO. 4, DATED SEPTEMBER, 2024. THERE ARE NO KNOWN GEOLOGIC HAZARDS THAT DESIGNATE NO-BUILD AREAS AS ALL IDENTIFIED GEOLOGIC HAZARDS CAN BE MITIGATED ON SITE. GEOLOGIC HAZARDS SUCH AS SEASONAL PONDING CAN BE MITIGATED AND RUNOFF IS TO BE DIRECTED TO THE PLATTED DRAINAGE EASEMENTS.
- THERE IS A TOTAL OF ONE (1) STATUE OR DECORATIVE FAUX STRUCTURE THAT IS SITED WITHIN A RAISED MEDIANS WITHIN THE FILING. STATUES OR FAUX STRUCTURES ARE PERMITTED IN THESE AREAS WITH A LICENSE AGREEMENT WITH EL PASO COUNTY. THESE CONSTRUCTION DRAWINGS DO NOT INCLUDE DESIGN DRAWINGS OF THESE STRUCTURES AND THE STRUCTURES ARE TO BE REVIEWED AND APPROVED THROUGH A SEPARATE SET OF PLANS. THE LICENSE AGREEMENT IS TO SET FORTH DESIGN PARAMETERS AND CONDITIONS FOR THE ALLOWABLE PERMANENT STRUCTURES. THESE CONSTRUCTION DRAWINGS ONLY PERMIT THE EVENTUAL SITING OF THESE STRUCTURES, NOT THE ACTUAL DESIGN.

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APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	12/5/2024		
CAD FILE:	J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Site_Plan		

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FLYING HORSE NORTH FILING 4
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EL PASO COUNTY, CO

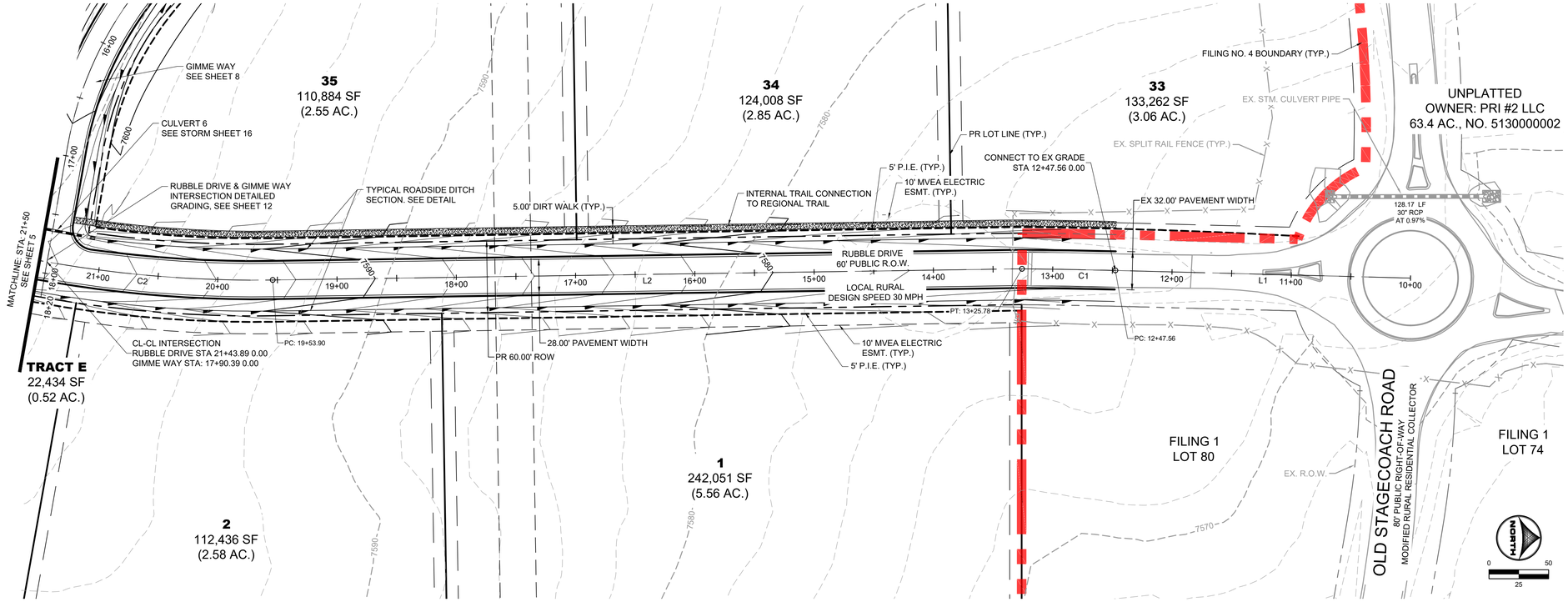
CONSTRUCTION DRAWINGS
OVERALL SITE PLAN

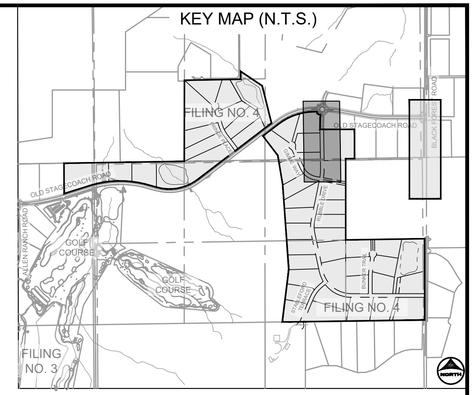
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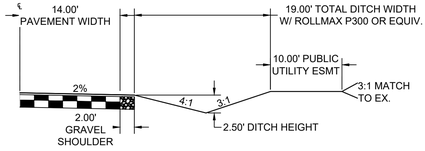
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TYPICAL ROADSIDE DITCH SECTION

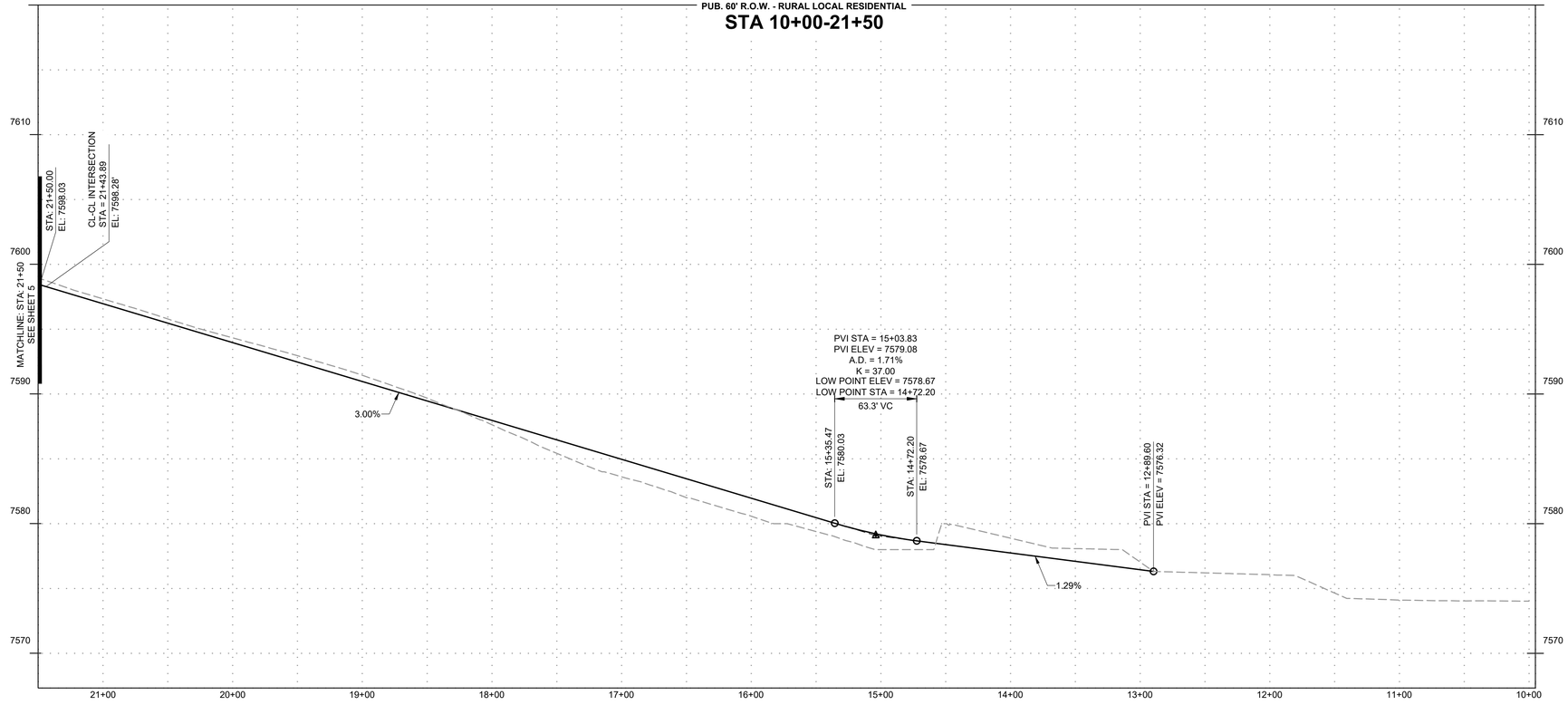
SCALE: 1"=10'

(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)

RUBBLE DRIVE

PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

STA 10+00-21+50



RUBBLE DRIVE					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
L1		247.56'	S1° 28' 14.72"W	N:447894.06, E:226705.73	N:447646.59, E:226699.37
C1	5000.00'	78.22'	S1° 01' 21.23"W	N:447646.59, E:226699.37	N:447568.38, E:226697.98
L2		628.12'	S0° 51' 28.87"E	N:447568.38, E:226697.98	N:446940.33, E:226707.38
C2	1000.00'	217.67'	S5° 22' 39.75"W	N:446940.33, E:226707.38	N:446724.04, E:226687.02
L3		664.39'	S11° 36' 48.37"W	N:446724.04, E:226687.02	N:446073.25, E:226553.27
C3	500.00'	207.42'	S0° 16' 15.67"E	N:446073.25, E:226553.27	N:445867.31, E:226554.25
L4		634.05'	S12° 09' 19.70"E	N:445867.31, E:226554.25	N:445247.48, E:226687.76
C4	500.00'	186.79'	S22° 51' 28.49"E	N:445247.48, E:226687.76	N:445076.35, E:226759.90
C5	500.00'	492.40'	S61° 46' 21.57"E	N:445076.35, E:226759.90	N:444852.76, E:227176.42
L5		315.35'	S89° 59' 05.88"E	N:444852.76, E:227176.42	N:444852.68, E:227491.77
L6		910.59'	S89° 59' 05.88"E	N:444852.68, E:227491.77	N:444852.44, E:228402.36
L7		24.86'	S89° 59' 05.88"E	N:444852.44, E:228402.36	N:444852.43, E:228427.22

PROFILE LEGEND

EXISTING GROUND AT ROAD CENTERLINE

PROPOSED GRADE AT ROAD CENTERLINE

0 50 HORIZONTAL

0 5 VERTICAL

As-Built Document
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COLORADO LICENSED
RICHARD D. LYON
No. 53921
PROFESSIONAL ENGINEER

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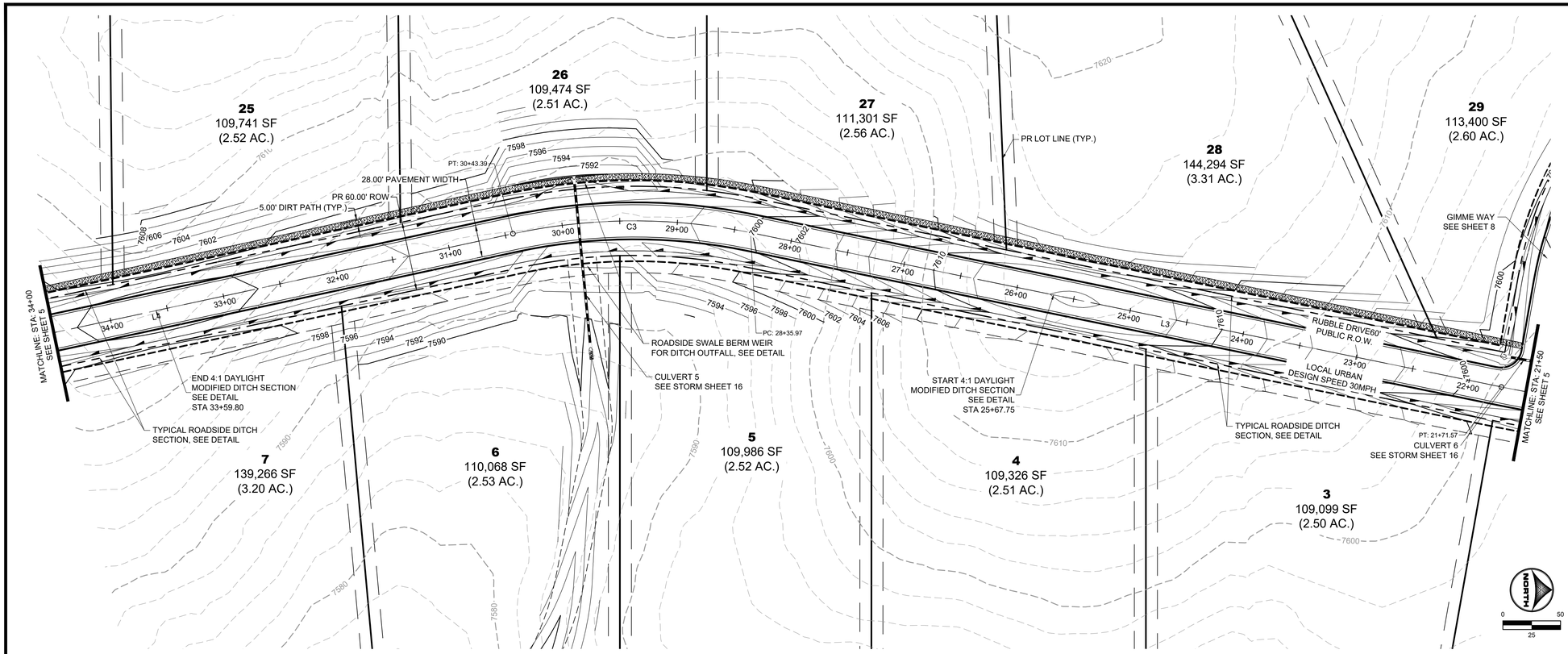
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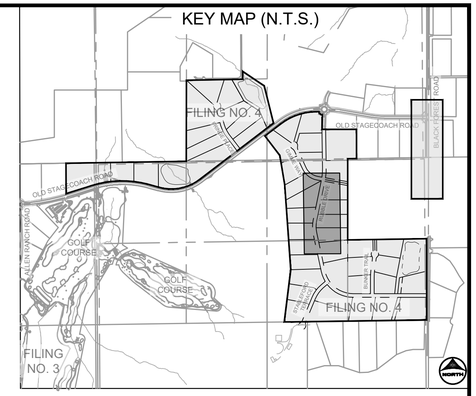
STREET PLAN & PROFILES
RUBBLE DRIVE

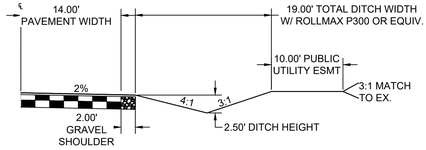
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HR GREEN Xrefs: xv-cow-1030; xv-dsgn-1030; key_map; modified_ditch_sections; xc-cow-030-240; xc-dsgn-240; xgk-1-dh01-1030-240; rdwy_typicals

DOMBROWSKI, COLIN, 1/14/2025 1:08 PM



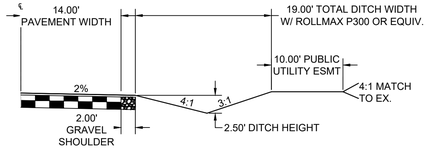




TYPICAL ROADSIDE DITCH SECTION

SCALE: 1"=10'

(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)



MODIFIED ROADSIDE DITCH SECTION

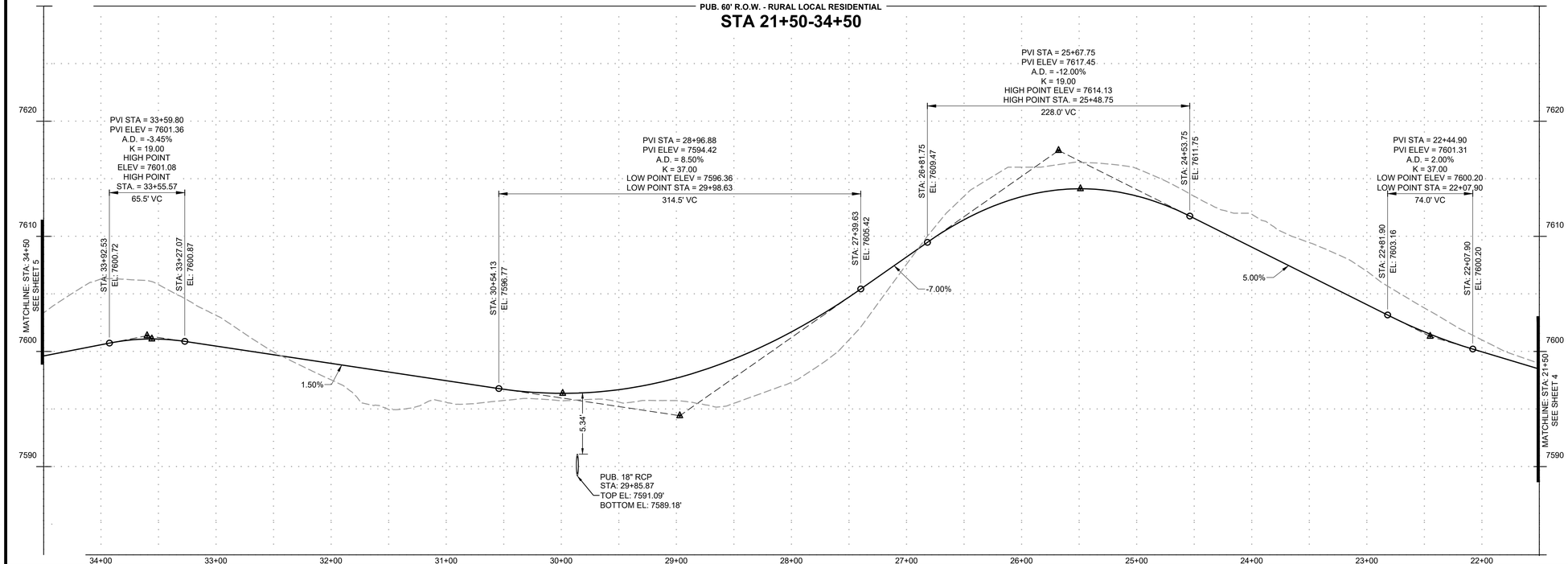
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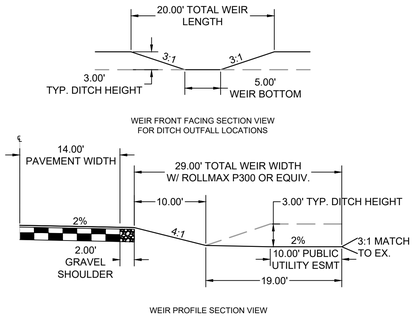
(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)

RUBBLE DRIVE

PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

STA 21+50-34+50





ROADSIDE DITCH OUTFALL WEIR

SCALE: 1"=10'

PROFILE LEGEND

EXISTING GROUND AT ROAD CENTERLINE

PROPOSED GRADE AT ROAD CENTERLINE

0 50 HORIZONTAL

0 5 VERTICAL

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
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COLORADO LICENSED
RICHARD D. LYON
No. 53921
09/24/2026
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	1/14/2025
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CAD DATE:	1/14/2025		
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BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

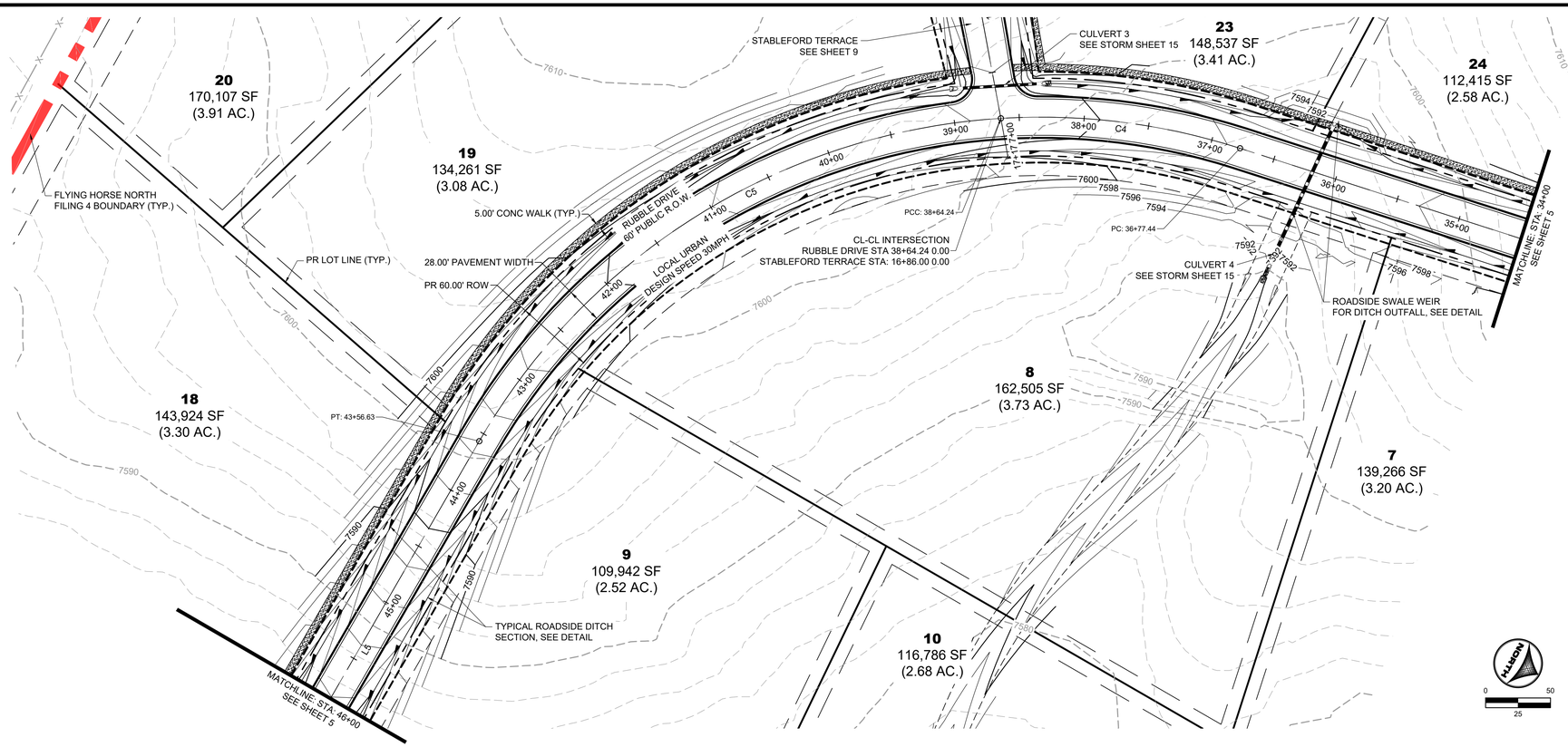
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PRI #2, LLC.
EL PASO COUNTY, CO

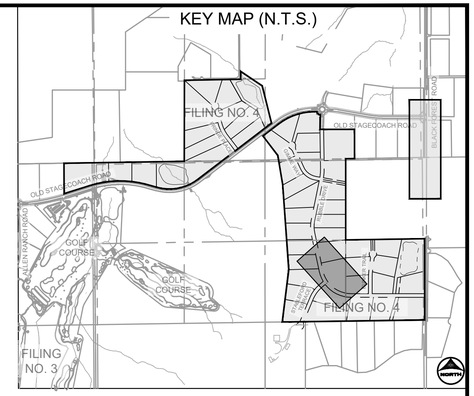
STREET PLAN & PROFILES
RUBBLE DRIVE

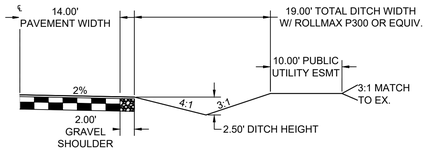
SHEET ST 5

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DOMBROWSKI, COLIN, 12/5/2024 4:38 PM



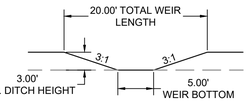




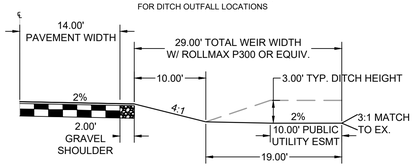
TYPICAL ROADSIDE DITCH SECTION

SCALE: 1"=10'

(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)



WEIR FRONT FACING SECTION VIEW
FOR DITCH OUTFALL LOCATIONS



WEIR PROFILE SECTION VIEW

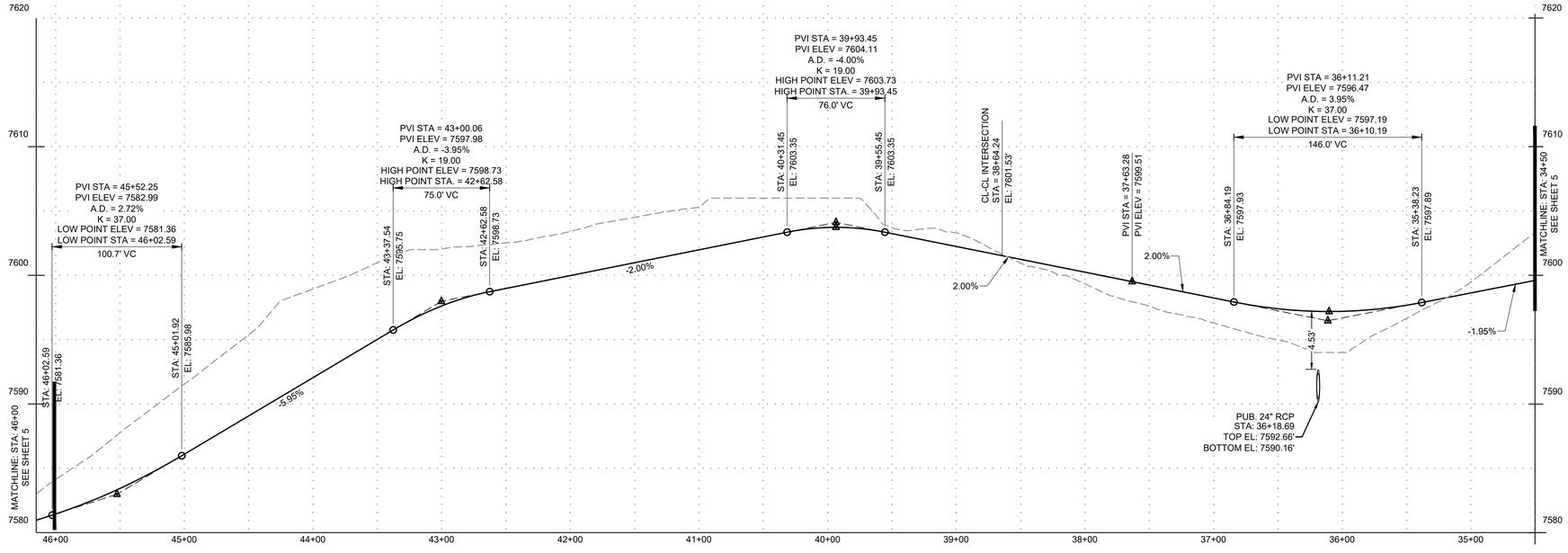
ROADSIDE DITCH OUTFALL WEIR

SCALE: 1"=10'

RUBBLE DRIVE

PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

STA 34+50-46+15



PROFILE LEGEND
- EXISTING GROUND AT ROAD CENTERLINE
- PROPOSED GRADE AT ROAD CENTERLINE

HORIZONTAL 0 50
VERTICAL 0 5

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 10:43:30 AM

COLORADO LICENSED — RICHARD D. LYON — 53921 — PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	11/1/2024
APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	12/5/2024		
CAD FILE:	J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Street_A_PNP		

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HRGreen
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COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
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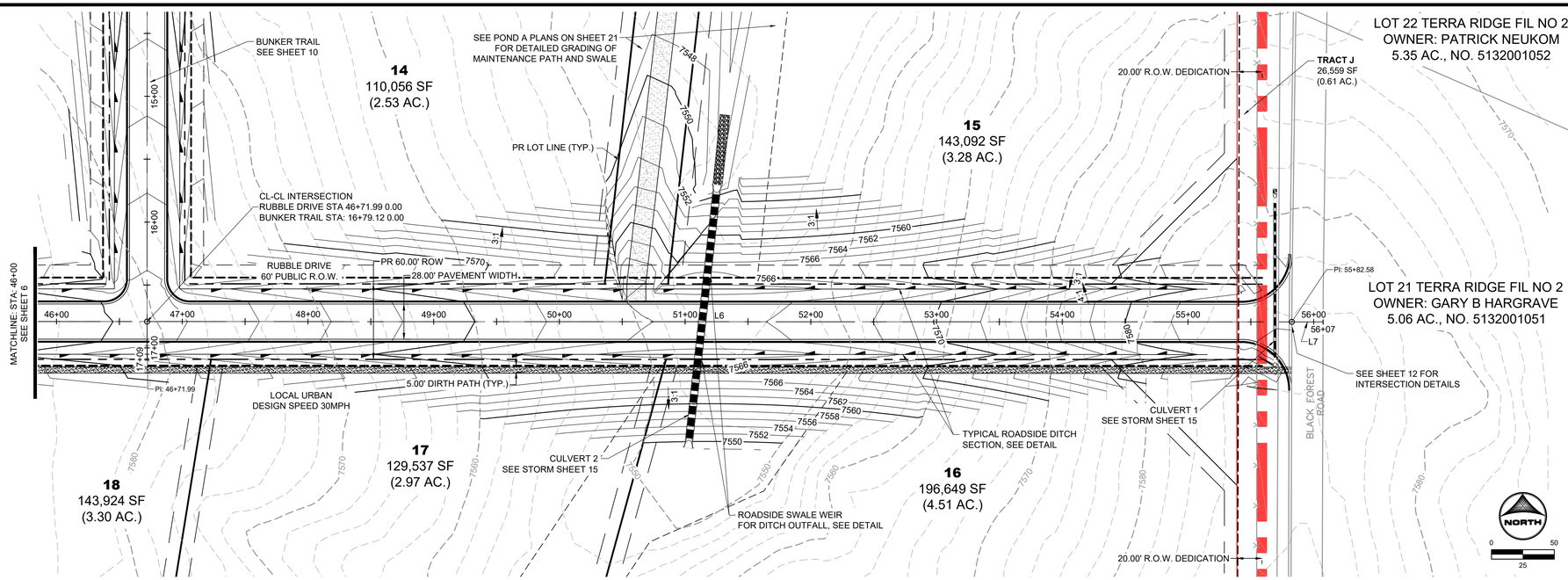
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

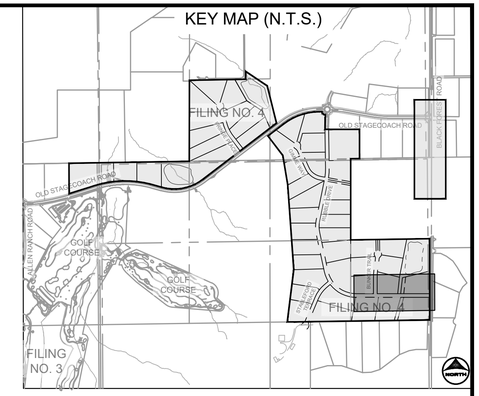
STREET PLAN & PROFILES
RUBBLE DRIVE

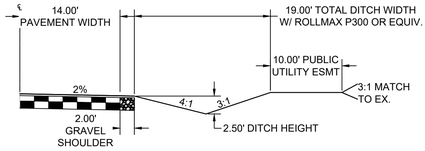
SHEET ST 6

HR GREEN Xrefs: xv-row-1030; xv-dsgn-1030; key_map; modified_ditch_sections; xc-row-030.240; xc-dsgn-240; xgr-1-dh01-1030.240; dwy_typicals

DOMBROWSKI, COLIN, 12/5/2024 4:39 PM







TYPICAL ROADSIDE DITCH SECTION

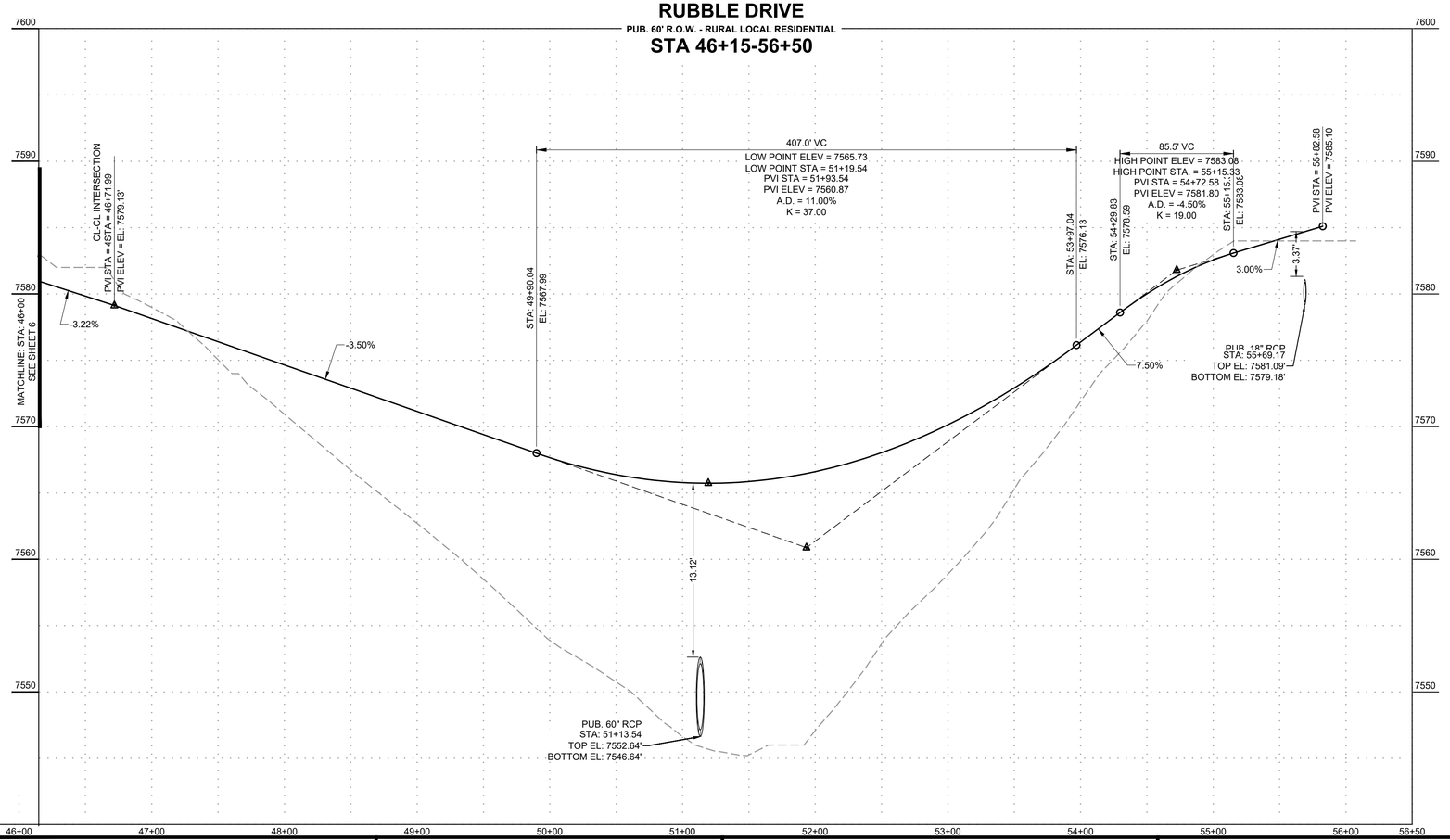
SCALE: 1"=10'

(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)

RUBBLE DRIVE

PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

STA 46+15-56+50





WEIR FRONT FACING SECTION VIEW
FOR DITCH OUTFALL LOCATIONS

WEIR PROFILE SECTION VIEW

ROADSIDE DITCH OUTFALL WEIR

SCALE: 1"=10'

PROFILE LEGEND

EXISTING GROUND AT ROAD CENTERLINE

PROPOSED GRADE AT ROAD CENTERLINE

HORIZONTAL 0 50

VERTICAL 0 5

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 10:43:30 AM

COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	11/1/2024
APPROVED:	RDL	JOB NUMBER:	211030.240
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COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
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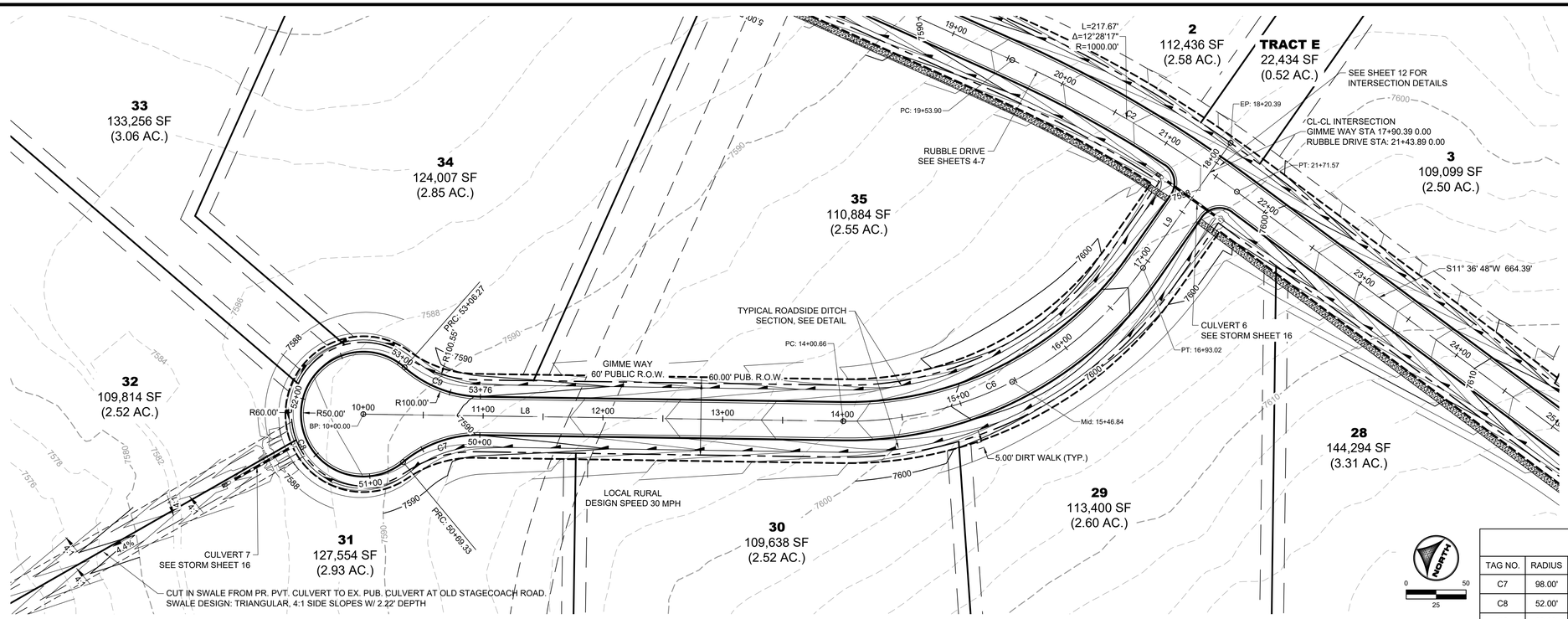
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

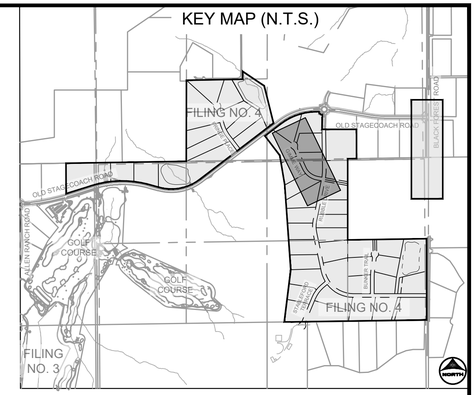
STREET PLAN & PROFILES
RUBBLE DRIVE

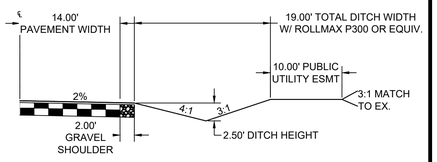
SHEET ST 7

HR GREEN Xrefs: xv-row-1030; xv-dsgn-1030; key_map; modified_ditch_sections; xs-row-030.240; xc-dsgn-240; xgf-1-dh01-1030.240; rdwy_typicals

DOMBROWSKI, COLIN, 12/5/2024 4:40 PM







TYPICAL ROADSIDE DITCH SECTION

SCALE: 1"=10'

(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)

GIMME WAY ALIGNMENT TABLE

TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C7	98.00'	69.33'	N44° 25' 51.34"W	N:447210.89, E:226236.02	N:447259.37, E:226188.49
C8	52.00'	236.94'	N65° 50' 13.11"E	N:447259.37, E:226188.49	N:447291.73, E:226260.61
C9	98.00'	69.33'	S3° 53' 42.45"E	N:447291.73, E:226260.61	N:447223.99, E:226265.22

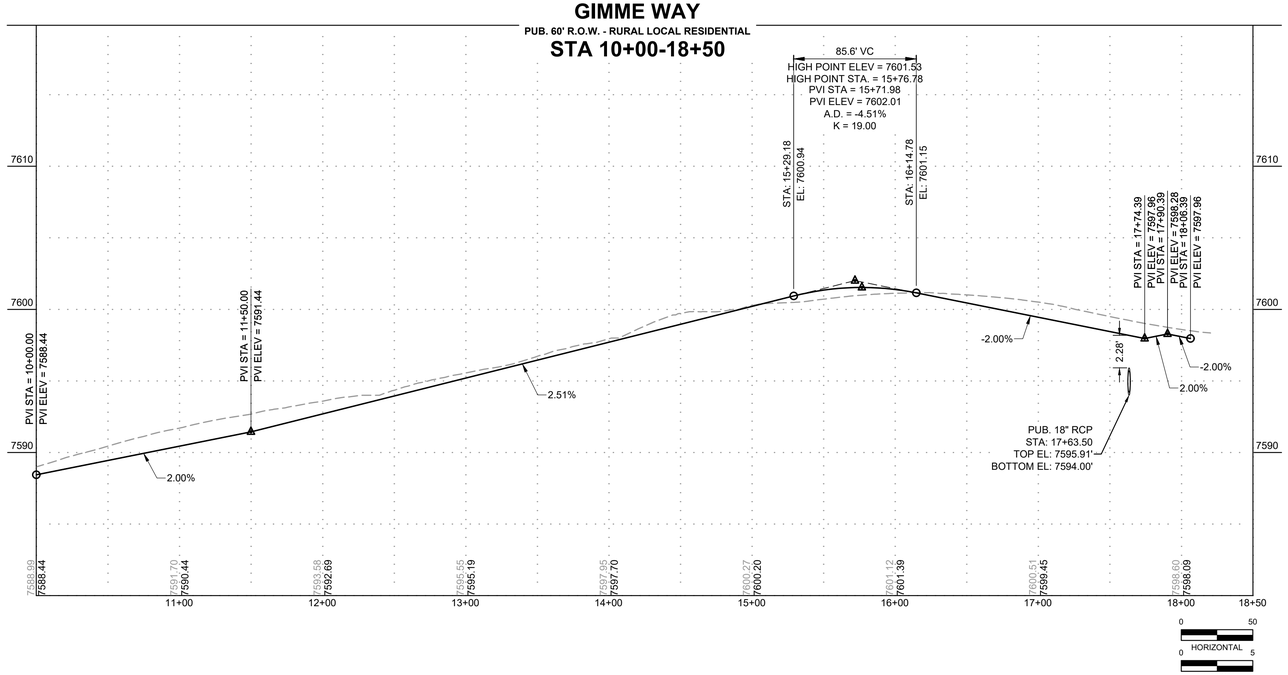
GIMME WAY ALIGNMENT TABLE

TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C7	98.00'	69.33'	N44° 25' 51.34"W	N:447210.89, E:226236.02	N:447259.37, E:226188.49
C8	52.00'	236.94'	N65° 50' 13.11"E	N:447259.37, E:226188.49	N:447291.73, E:226260.61
C9	98.00'	69.33'	S3° 53' 42.45"E	N:447291.73, E:226260.61	N:447223.99, E:226265.22

GIMME WAY

PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

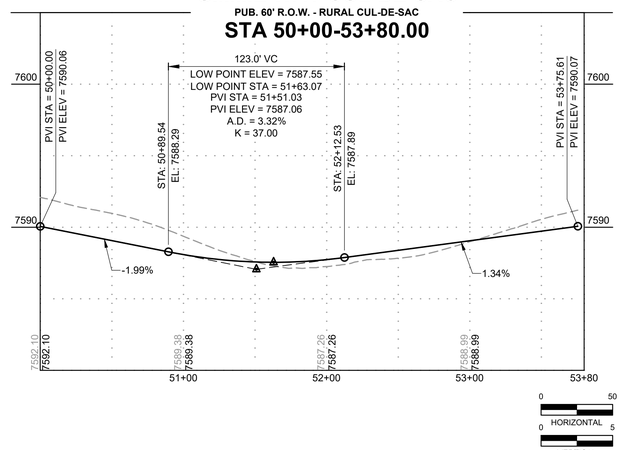
STA 10+00-18+50



GIMME WAY CUL-DE-SAC

PUB. 60' R.O.W. - RURAL CUL-DE-SAC

STA 50+00-53+80.00



PROFILE LEGEND

- EXISTING GROUND AT ROAD CENTERLINE
- PROPOSED GRADE AT ROAD CENTERLINE

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 10:43:30 AM

COLORADO LICENSED RICHARD D. LYON 53921 PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY: RDL	JOB DATE: 10/30/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.	
APPROVED: RDL	JOB NUMBER: 211030.240		
CAD DATE: 12/5/2024			
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Street_B_PNP			

NO.	DATE	BY	REVISION DESCRIPTION

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

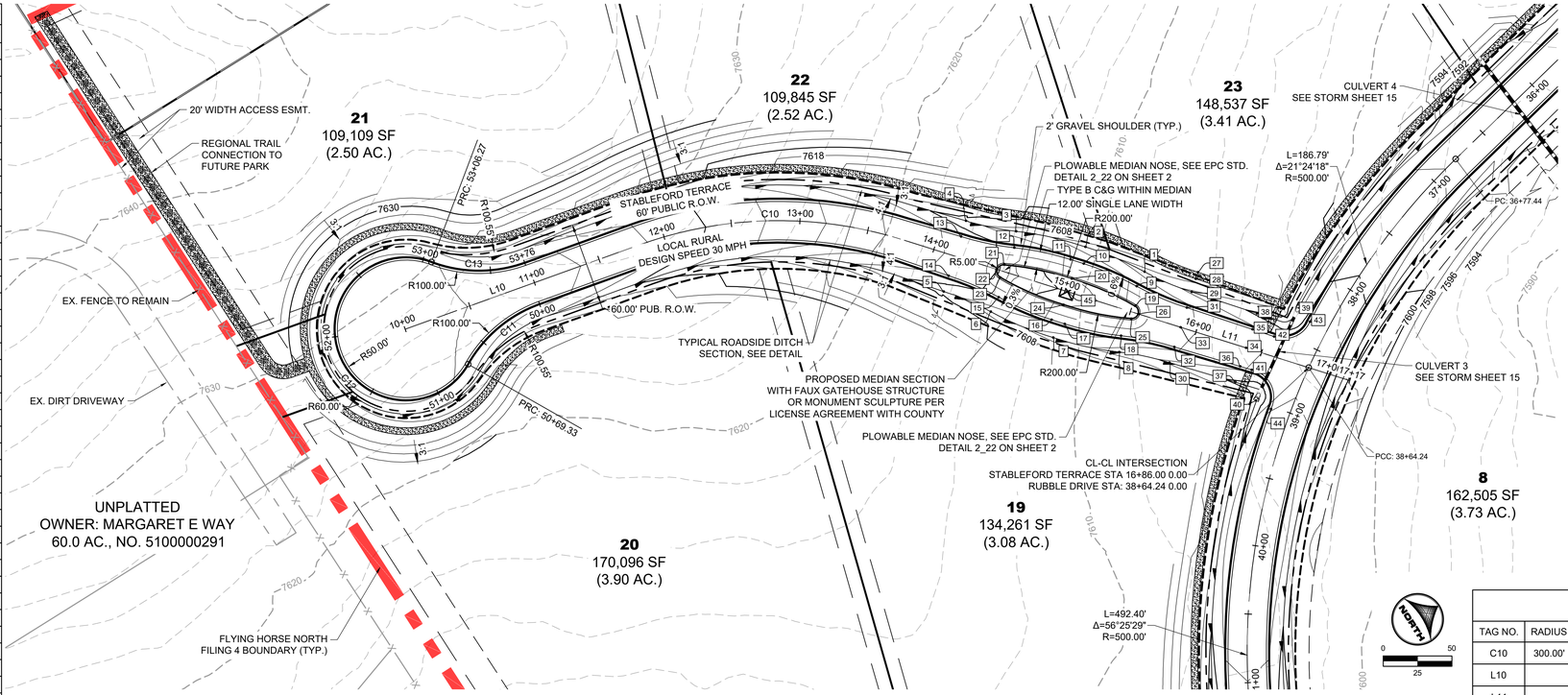
STREET PLAN & PROFILES
GIMME WAY

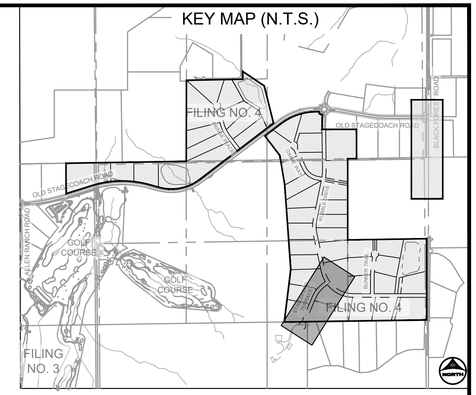
SHEET ST 8

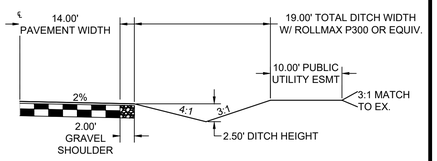
HR GREEN Xrefs: xv-row-1030; xv-dsgn-1030; key_map; modified_ditch_sections; xc-row-030.240; xc-dsgn-240; xg-1-dt01-1030.240

DOMBROWSKI, COLIN, 12/5/2024 4:42 PM

POINT TABLE				
NO.	DESC.	STATION	OFFSET	ELEVATION
1	SWALE FL	STA. 15+51.05	30.66' L	7603.14
2	SWALE FL	STA. 15+04.58	35.00' L	7604.99
3	SWALE FL	STA. 14+53.10	30.66' L	7607.04
4	SWALE FL	STA. 14+15.97	27.00' L	7608.52
5	SWALE FL	STA. 14+15.97	27.00' R	7608.52
6	SWALE FL	STA. 14+53.10	30.66' R	7607.04
7	SWALE FL	STA. 15+02.08	35.00' R	7605.09
8	SWALE FL	STA. 15+51.05	30.66' R	7603.14
9	EOP	STA. 15+48.71	18.89' L	7605.75
10	EOP	STA. 15+07.09	23.00' L	7607.41
11	EOP	STA. 14+97.07	23.00' L	7607.80
12	EOP	STA. 14+55.45	18.89' L	7609.47
13	EOP	STA. 14+15.97	15.00' L	7611.37
14	EOP	STA. 14+15.97	15.00' R	7611.37
15	EOP	STA. 14+55.45	18.89' R	7609.47
16	EOP	STA. 14+97.07	23.00' R	7607.80
17	EOP	STA. 15+07.09	23.00' R	7607.41
18	EOP	STA. 15+48.71	18.89' R	7605.75
19	FL	STA. 15+52.07	4.87' L	7605.70
20	FL	STA. 15+02.07	10.00' L	7607.72
21	FL	STA. 14+52.07	4.87' L	7609.74
22	FL	STA. 14+48.19	0.00'	7610.08
23	FL	STA. 14+52.07	4.87' R	7609.74
24	FL	STA. 15+02.07	10.00' R	7607.72
25	FL	STA. 15+52.07	4.87' R	7605.70
26	FL	STA. 15+55.94	0.00'	7605.77
27	SW	STA. 15+88.29	42.00' L	7604.71
28	SW	STA. 15+88.18	36.94' L	7604.67
29	SWALE FL	STA. 15+88.18	27.00' L	7601.66
30	SWALE FL	STA. 15+88.28	27.00' R	7601.65
31	EOP	STA. 15+88.18	15.00' L	7604.19
32	EOP	STA. 15+88.18	15.00' R	7604.19
33	CL TRANSITION	STA. 15+88.18	0.00'	7604.48
34	CL TRANSITION	STA. 16+38.18	0.00'	7602.48
35	EOP TRANSITION	STA. 16+38.62	14.26' L	7602.18
36	EOP TRANSITION	STA. 16+38.18	14.18' R	7602.20
37	SWALE FL	STA. 16+38.18	26.00' R	7599.71
38	SWALE FL	STA. 16+38.18	26.27' L	7599.67
39	SWALE FL	STA. 16+65.64	37.84' L	7597.33
40	SWALE FL	STA. 16+56.53	34.43' R	7598.55
41	PCR	STA. 16+46.89	14.00' R	7601.85
42	PCR	STA. 16+55.09	14.00' L	7601.53
43	PCR	STA. 16+76.73	32.04' L	7600.68
44	PCR	STA. 16+68.86	37.01' R	7601.96
45	HP	STA. 15+02.08	0.00'	7609.51







TYPICAL ROADSIDE DITCH SECTION

SCALE: 1"=10'

(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)

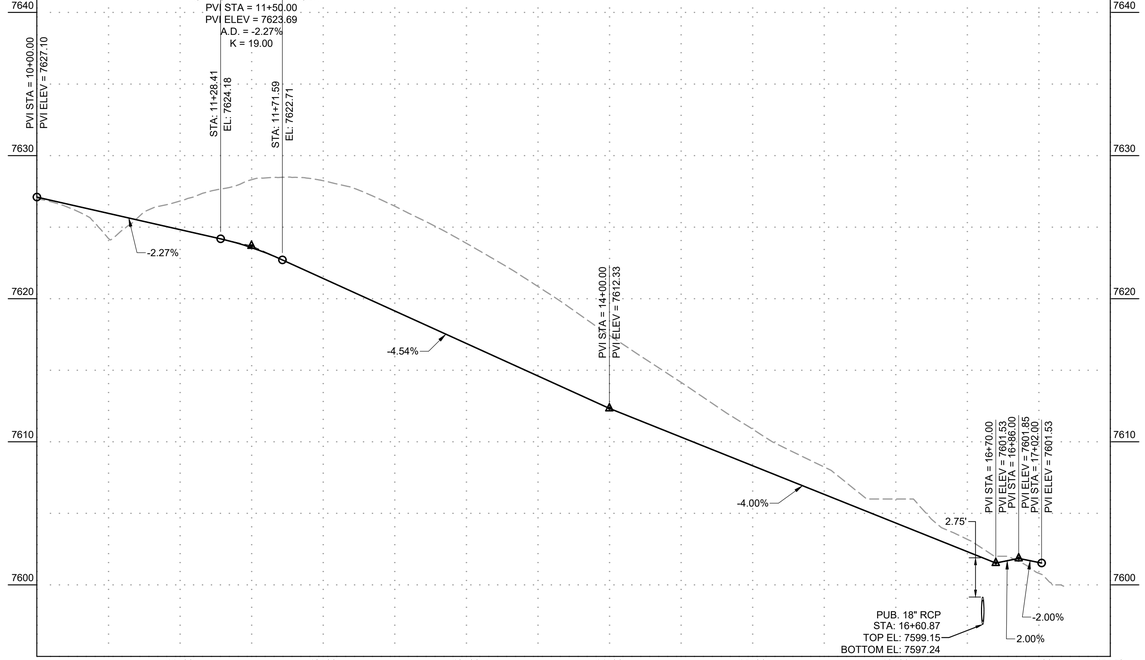
STABLEFORD TERRACE ALIGNMENT TABLE					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C10	300.00'	195.30'	N30° 50' 21.26"E	N:444710.30, E:226425.92	N:444875.04, E:226524.28
L10		180.80'	N12° 11' 22.46"E	N:444533.58, E:226387.75	N:444710.30, E:226425.92
L11		309.90'	N49° 29' 20.06"E	N:444875.04, E:226524.28	N:445076.35, E:226759.90

STABLEFORD TERRACE ALIGNMENT TABLE					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C11	98.00'	69.33'	S8° 04' 41.99"E	N:444626.21, E:226424.13	N:444558.98, E:226433.67
C12	52.00'	236.94'	N77° 48' 37.54"W	N:444558.98, E:226433.67	N:444575.67, E:226356.41
C13	98.00'	69.33'	N32° 27' 26.90"E	N:444575.67, E:226356.41	N:444632.96, E:226392.85

STABLEFORD TERRACE

PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

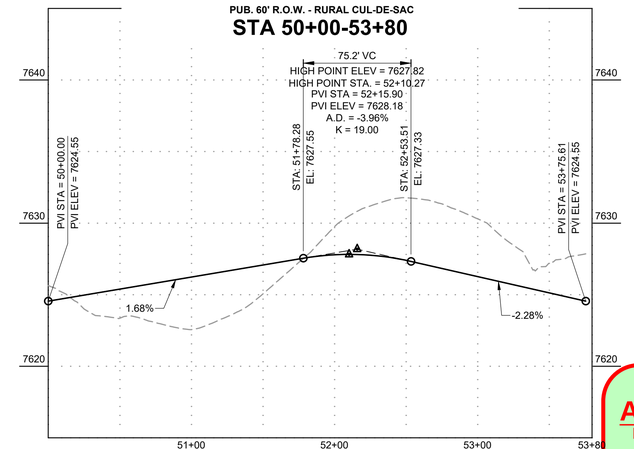
STA 10+00-17+50



STABLEFORD TERRACE CUL-DE-SAC

PUB. 60' R.O.W. - RURAL CUL-DE-SAC

STA 50+00-53+80



PROFILE LEGEND

EXISTING GROUND AT ROAD CENTERLINE

PROPOSED GRADE AT ROAD CENTERLINE

0 50 HORIZONTAL

0 5 VERTICAL

As-Built Document

PE Approval by: Richard D. Lyon

(Stamp Appended on this Plan Sheet)

09/24/2026 10:43:30 AM

COLORADO LICENSED — RICHARD D. LYON — No. 53921 — PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY: CMD JOB DATE: 10/14/2024

APPROVED: RDL JOB NUMBER: 211030.240

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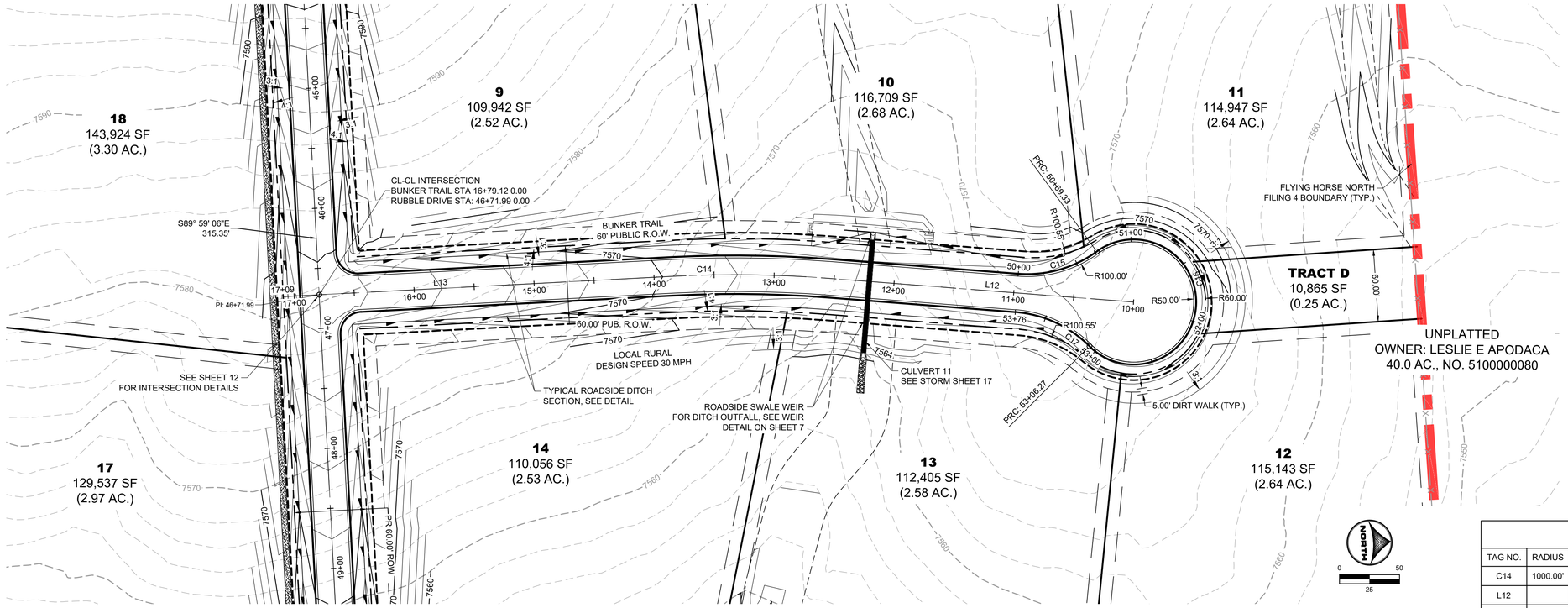
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

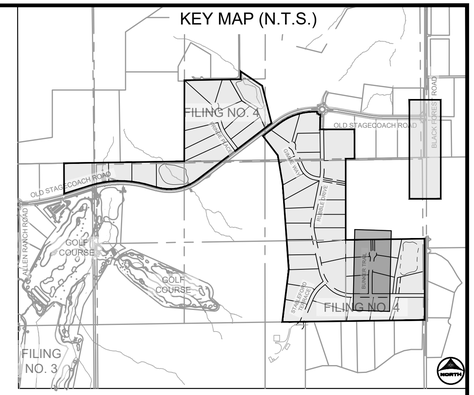
STREET PLAN & PROFILES
STABLEFORD TERRACE

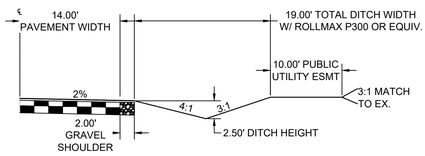
SHEET ST 9

HR GREEN Xrefs: xv-row-1030; xv-dsgn-1030; key_map; modified_ditch_sections; xc-row-030-240; xc-dsgn-240; xgk-1-dr01-1030-240

DOMBROWSKI, COLIN, 12/5/2024 4:43 PM







TYPICAL ROADSIDE DITCH SECTION

SCALE: 1"=10'

(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)

BUNKER TRAIL ALIGNMENT TABLE					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C14	1000.00'	129.63'	S3° 43' 43.56"W	N:445276.75, E:227500.27	N:445147.48, E:227491.85
L12		254.68'	S7° 26' 32.99"W	N:445529.28, E:227533.26	N:445276.75, E:227500.27
L13		294.81'	S0° 00' 54.12"W	N:445147.48, E:227491.85	N:444852.68, E:227491.77

BUNKER TRAIL ALIGNMENT TABLE					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C15	98.00'	69.33'	N12° 49' 31.45"W	N:445434.69, E:227504.77	N:445500.89, E:227489.70
C16	52.00'	236.94'	S82° 33' 27.01"E	N:445500.89, E:227489.70	N:445490.65, E:227568.07
C17	98.00'	69.33'	S27° 42' 37.43"W	N:445490.65, E:227568.07	N:445430.54, E:227536.50

PROFILE LEGEND

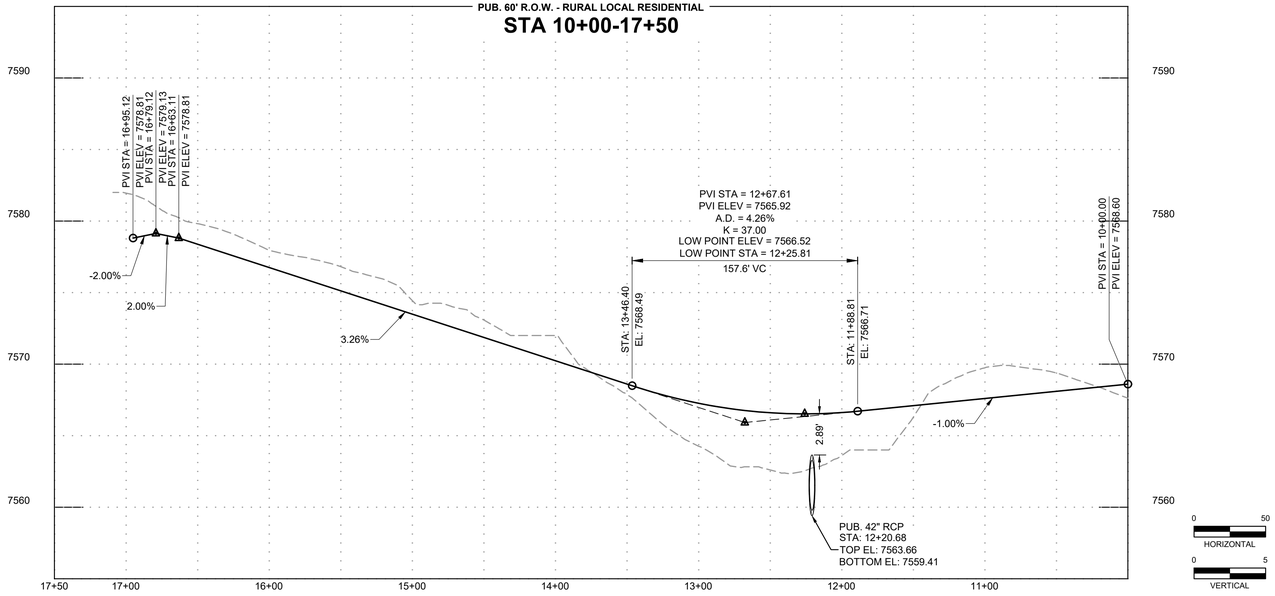
EXISTING GROUND AT ROAD CENTERLINE

PROPOSED GRADE AT ROAD CENTERLINE

BUNKER TRAIL

PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

STA 10+00-17+50



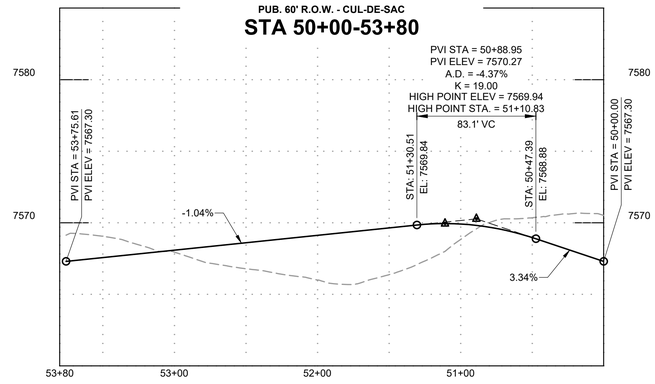
HORIZONTAL 0 50

VERTICAL 0 5

BUNKER TRAIL CUL-DE-SAC

PUB. 60' R.O.W. - CUL-DE-SAC

STA 50+00-53+80



HORIZONTAL 0 50

VERTICAL 0 5

As-Built Document
PE Approval by: Richard D Lyon
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COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

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APPROVED: RDL	JOB NUMBER: 211030.240	0 1"	
CAD DATE: 12/5/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.	
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HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

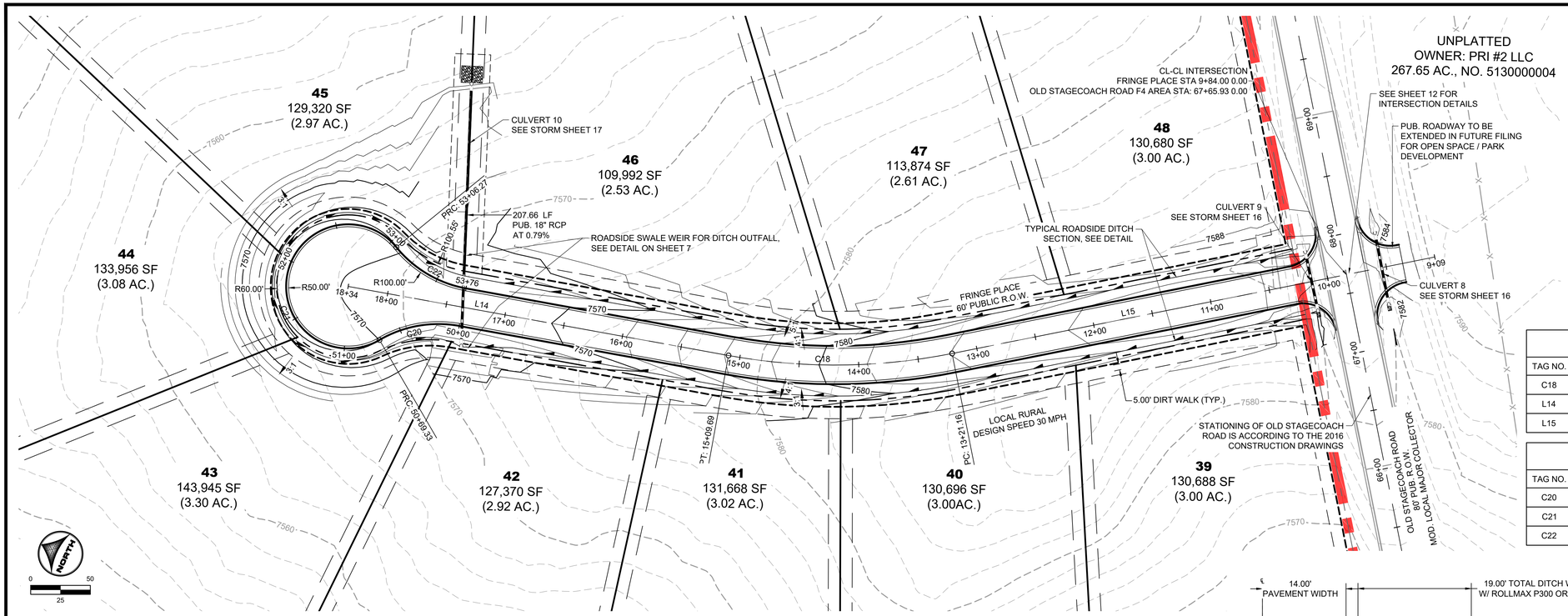
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

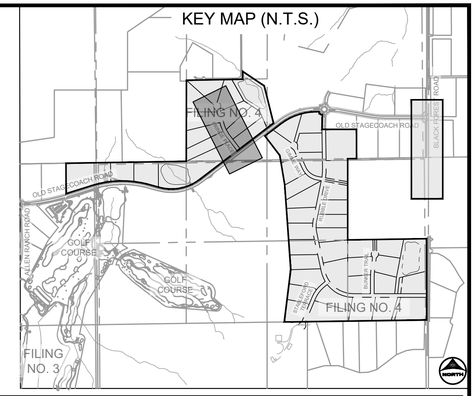
STREET PLAN & PROFILES
BUNKER TRAIL

SHEET ST 10

HR GREEN Xrefs: xv-row-1030; xv-dsgn-1030; key_map; modified_ditch_sections; xc-row-030-240; xc-dsgn-240; xgl-1-d101-1030-240

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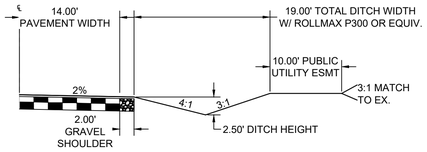


FRINGE PLACE ALIGNMENT TABLE

TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C18	500.00'	188.53'	N26° 30' 28.15"W	N:447470.57, E:225126.79	N:447638.28, E:225043.14
L14		323.93'	N15° 42' 21.12"W	N:447638.28, E:225043.14	N:447950.12, E:224955.45
L15		412.59'	N37° 18' 35.18"W	N:447142.40, E:225376.87	N:447470.57, E:225126.79

FRINGE PLACE ALIGNMENT TABLE

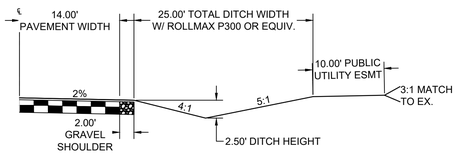
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C20	98.00'	69.33'	N35° 58' 25.56"W	N:447851.94, E:224966.44	N:447906.89, E:224926.56
C21	52.00'	236.94'	N74° 17' 38.88"E	N:447906.89, E:224926.56	N:447928.28, E:225002.65
C22	98.00'	69.33'	S4° 33' 43.32"W	N:447928.28, E:225002.65	N:447860.60, E:224997.25



TYPICAL ROADSIDE DITCH SECTION

SCALE: 1"=10'

(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)



EXPANDED ROADSIDE DITCH SECTION

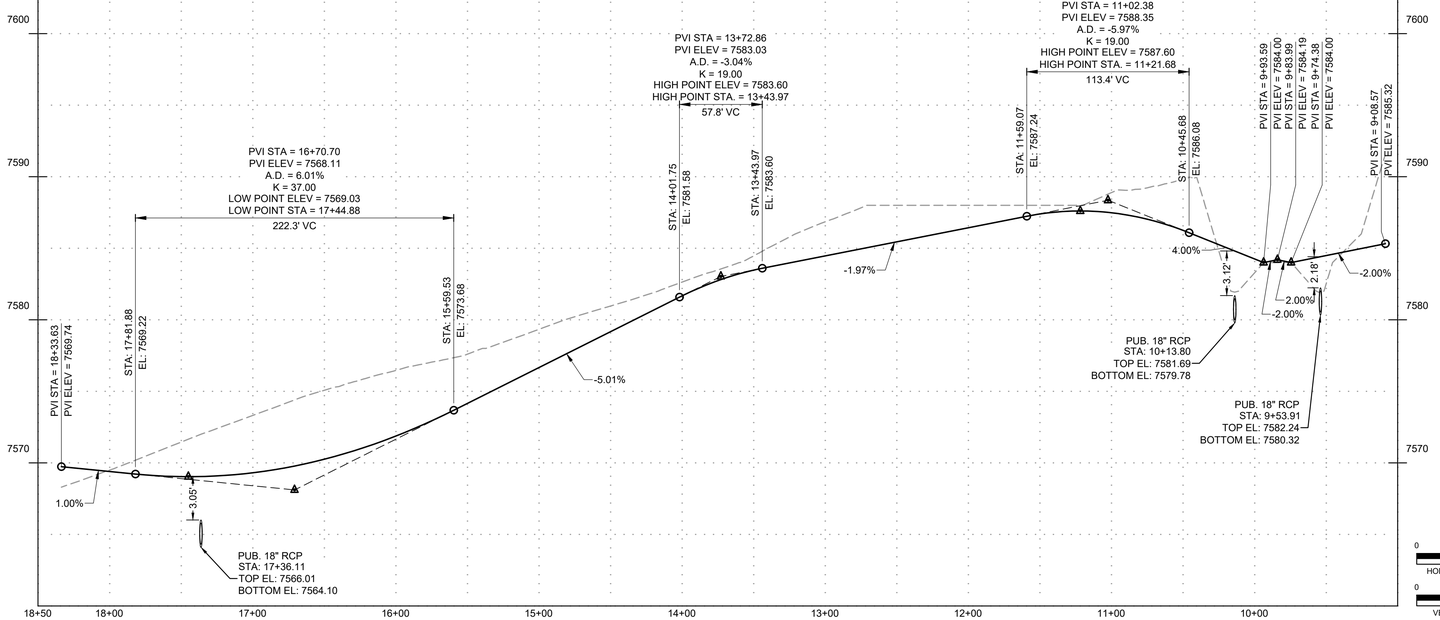
SCALE: 1"=10'

(ROADS USING THIS SECTION: EAST SIDE OF FRINGE PLACE)

FRINGE PLACE

PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

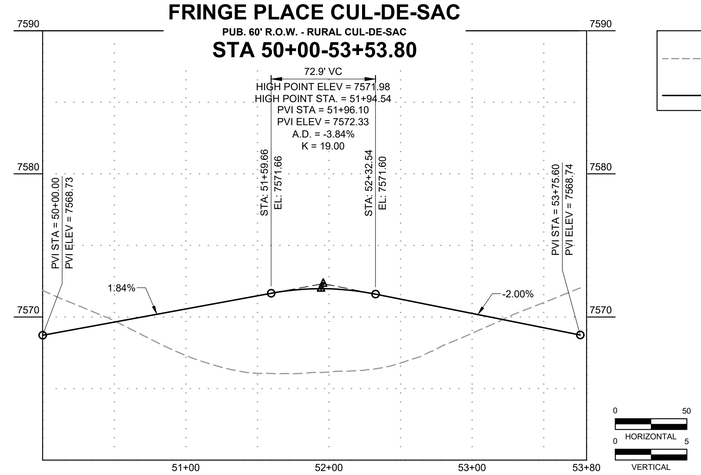
STA 9+00-18+50



FRINGE PLACE CUL-DE-SAC

PUB. 60' R.O.W. - RURAL CUL-DE-SAC

STA 50+00-53+53.80



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COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

PCD FILE NO. SF2422

DRAWN BY:	CMD
APPROVED:	RDL
CAD DATE:	12/5/2024
CAD FILE:	J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Street_E_PNP
JOB DATE:	10/31/2024
JOB NUMBER:	211030.240

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HRGreen

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
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EL PASO COUNTY, CO

STREET PLAN & PROFILES
FRINGE PLACE

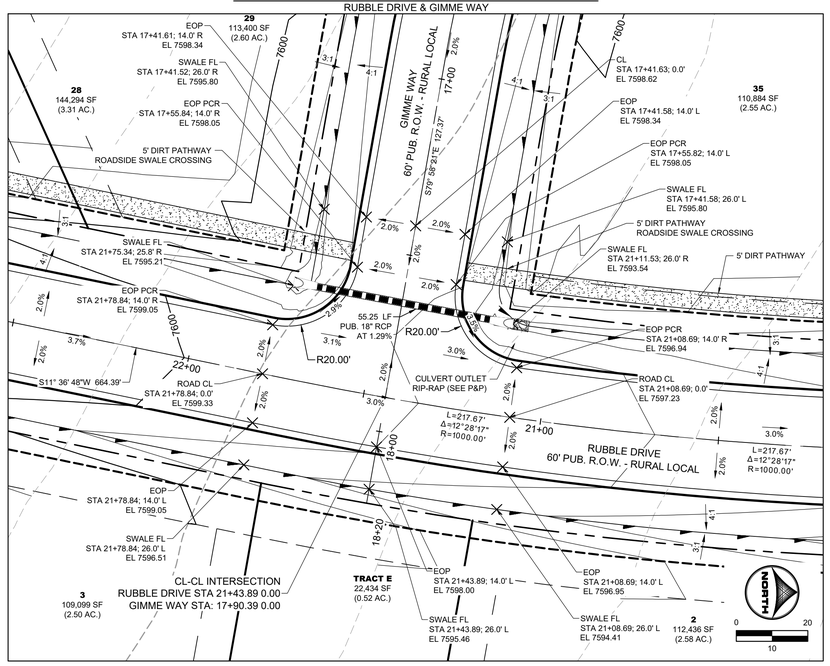
SHEET ST 11

HR GREEN Xrefs: xv-row-1030; xv-dsgn-1030; key_map; modified_ditch_sections; xc-row-030.240; xc-dsgn-240; xgf-1-dh01-1030.240

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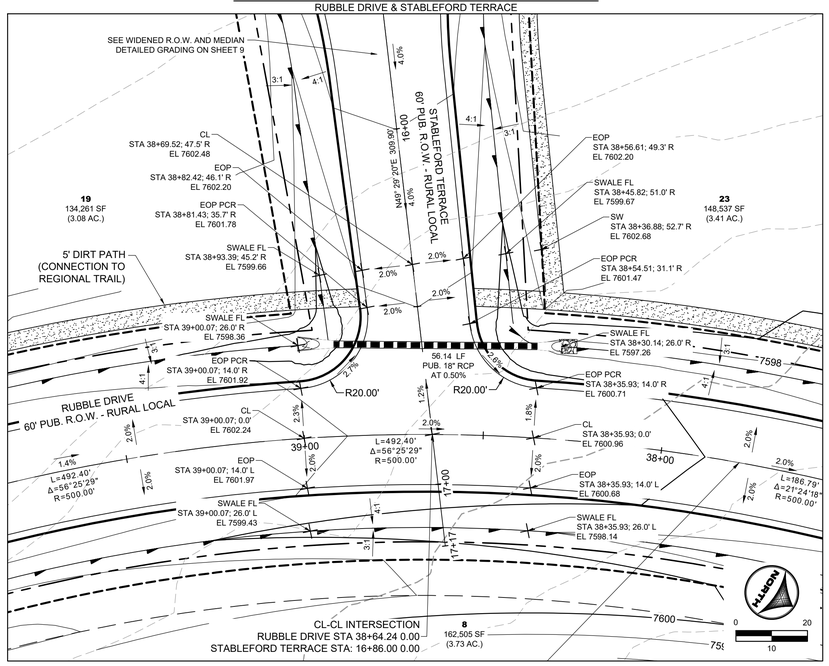
ROADWAY INTERSECTION DETAIL - A

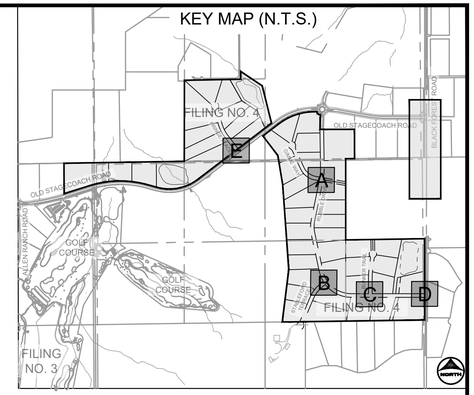
RUBBLE DRIVE & GIMME WAY

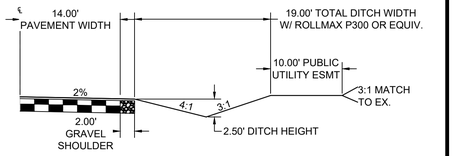


ROADWAY INTERSECTION DETAIL - B

RUBBLE DRIVE & STABLEFORD TERRACE







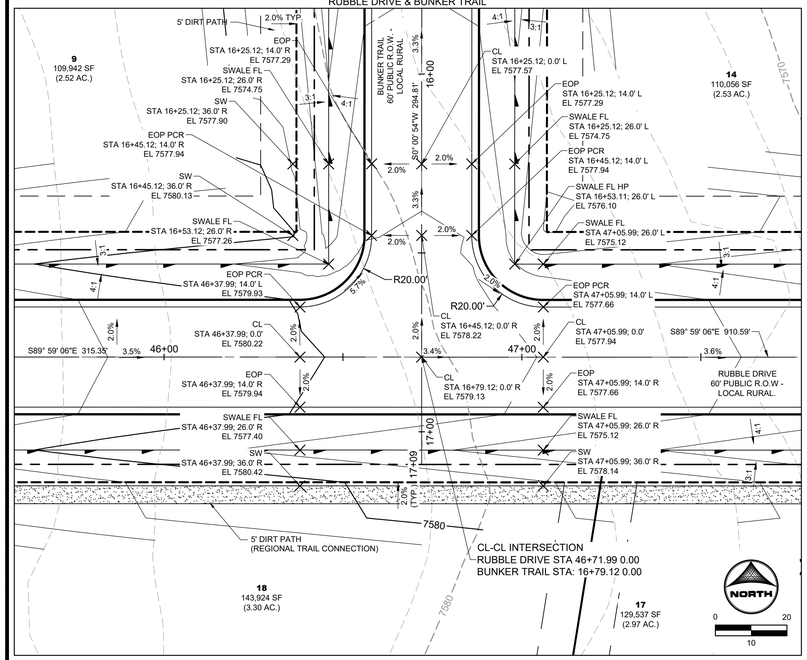
TYPICAL ROADSIDE DITCH SECTION

SCALE: 1"=10'

(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)

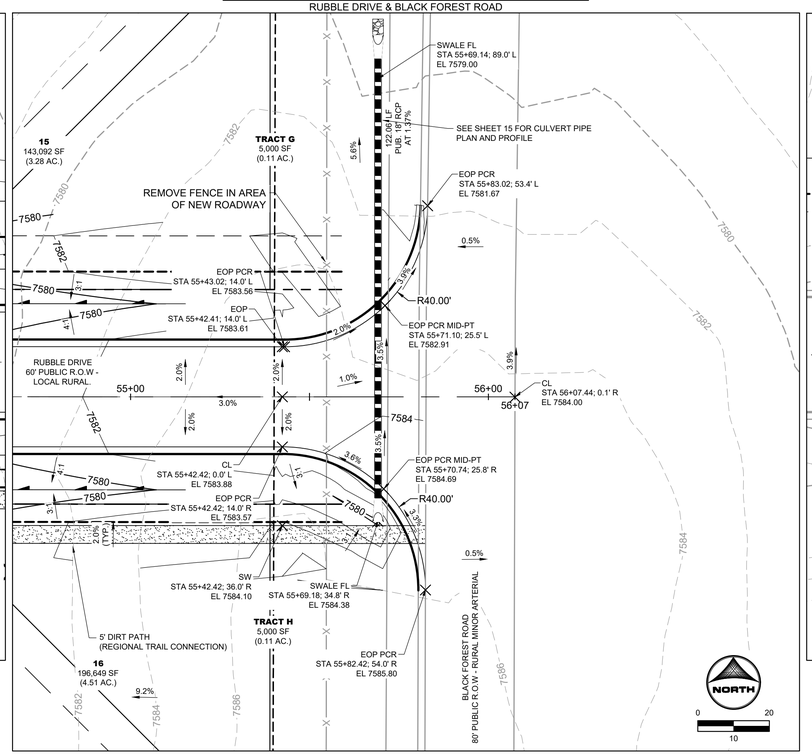
ROADWAY INTERSECTION DETAIL - C

RUBBLE DRIVE & BUNKER TRAIL



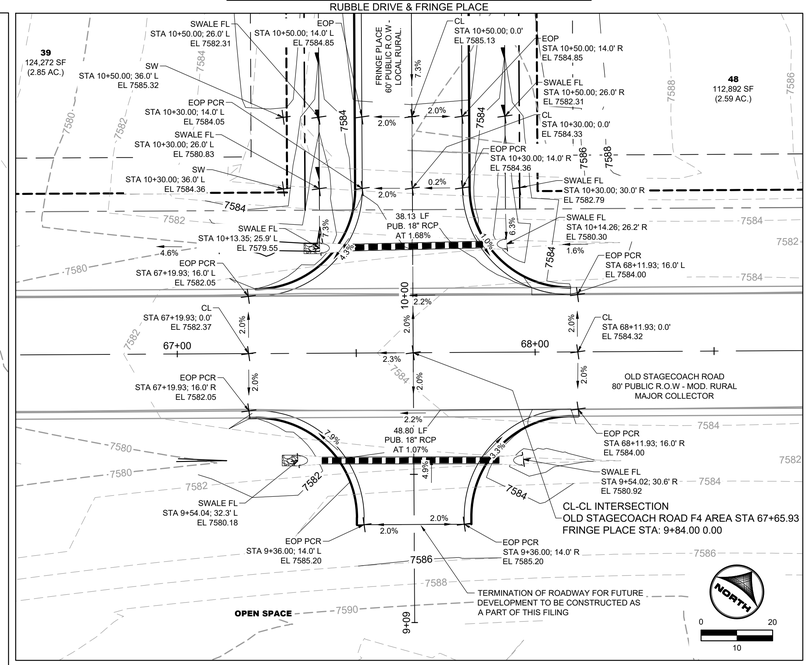
ROADWAY INTERSECTION DETAIL - D

RUBBLE DRIVE & BLACK FOREST ROAD



ROADWAY INTERSECTION DETAIL - E

RUBBLE DRIVE & FRINGE PLACE



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COLORADO LICENSED
RICHARD D. LYON
No. 53921
PROFESSIONAL ENGINEER
01/01/2026

PCD FILE NO.: SF2422

DRAWN BY:	RDL	JOB DATE:	9/13/2024
APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	12/5/2024		
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HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

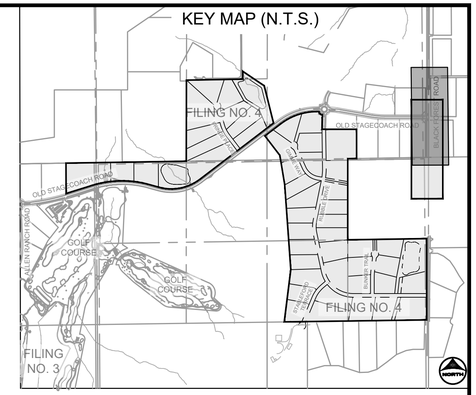
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

INTERSECTION DETAILS
ROADWAY INTERSECTION DETAILS

SHEET ST 12

HR GREEN Xrefs: xv-row-1000; xv-dsgn-1030; key_map; modified_ditch_sections; xc-row-030.240; xc-dsgn-240; xgk-1-dh01-1030.240

LYON, RICHIE, 9/24/2026 10:56 AM



LOT 78 FLYING HORSE NORTH FIL NO 1
6715 OLD STAGECOACH RD
SCH. NO. 5130002002
ZONING: PUD

LOT 77 FLYING HORSE NORTH FIL NO 1
6755 OLD STAGECOACH RD
SCH. NO. 5130002001
ZONING: PUD

LOT 76 FLYING HORSE NORTH FIL NO 1
6750 OLD STAGECOACH RD
SCH. NO. 5130001003
ZONING: PUD

UNPLATTED
SCH. NO. 5130000003
ZONING: PUD
AREA: 2.67 AC.

OLD STAGECOACH ROAD
(PUB. 80' R.O.W. - MOD. RURAL MAJOR COLLECTOR)

BLACK FOREST ROAD
(PUB. 80' R.O.W. - RURAL MINOR ARTERIAL)
DESIGN SPEED: 50 MPH | POSTED SPEED 45 MPH

TERRA RIDGE CIRCLE
(PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL)

LOT 10 TERRA RIDGE FIL NO 1
15650 TERRA RIDGE CIR
SCH. NO. 5129303001
ZONING: RR-5

LOT 1 TERRA RIDGE FIL NO 1
15645 TERRA RIDGE CIR
SCH. NO. 5129302001
ZONING: RR-5

EX. 36" RCP AT 2.81%
EX. 67.91 LF PUB. 24" RCP AT 0.54%
S89° 59' 07"E 539.56'
CL STA 100+04.49; 0.0' EL 7548.00
PCR STA 100+04.49 16.00 R EL 7548.03
PCR STA 100+04.49 54.00 R EL 7548.29
PCR STA 100+04.19 16.00 L EL 7548.00
PCR STA 100+40.19 54.01 L EL 7544.22
EX. R.O.W.
PR. EDGE OF PAVEMENT
PR. 4' EDGE OF GRAVEL SHOULDER
CENTER LINES, SOLID DOUBLE YELLOW 4" WIDE EACH
LANE STRIPING (TYP.)
EDGE LINE, WHITE 8" SOLID
4" WHITE DASHED
BEG. OF STRIPING RADIUS STA 14+10.15; 1.0' L EL 7540.00
R=15.00'
END/BEG. OF STRIPING RADIUS STA 14+21.18; 5.7' L EL 7540.00
R=15.00'
END OF STRIPING RADIUS STA 14+32.51; 10.5' L EL 7540.00
R40.00'
2.4%
2.8%
1.4%
3.2%
0.0% (TYP.)
6:1
4.00'
12.00'
7552
7550
7548
7546
7544
7542
7540
N0° 00' 53"E 540.87'
N0° 11' 47"W 881.23'
95+29
96+00
97+00
98+00
99+00
100+00
101+00
102+00
103+00
103+34
4+59
5+00
6+00
7+00
9+00
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
18+81
200.00' NB LEFT TURN TAPER LENGTH
285.00' NB LEFT TURN LANE (50' STACKING + 235' DECEL.)
28.15'
285.00' SB LEFT TURN LANE (50' STACKING + 235' DECEL.)
75.00' SB LEFT TURN REDIRECT
540.00' THRU LANE TAPER (45:1 FOR 12' WIDTH)
EX. EDGE OF ASPHALT PAVEMENT
EX. 2' GRAVEL SHOULDER
CL START OF TAPER STA 4+59.13; 0.0' EL 7556.00
CL START OF DECEL. STA 6+59.13; 0.0' EL 7554.00
CL STA 9+43.96; 0.0' EL 7548.00
CL STA 9+72.11; 0.0' EL 7548.00
CL-CL INTERSECTION
OLD STAGECOACH ROAD ALIGNMENT STA 100+68.49 0.00
BLACK FOREST ROAD IMPROVEMENT STA: 10+00.00 0.00
CL STA 10+47.83; 0.1' L EL 7546.59
CL STA 10+27.83; 0.1' L EL 7547.39
INT-CL STA 10+00.00; 0.0' EL 7548.00
S89° 59' 06"E 265.76'
CL START OF DECEL. STA 13+41.23; 0.6' L EL 7540.00
GORE HATCHING IS SOLID YELLOW, 8" WIDE AT 45-DEGREE DIAGONAL, SPACED AT 25 FOOT INTERVALS
CL START OF TAPER STA 18+81.22; 0.0' L EL 7539.92
END OF DOUBLE YELLOW CENTERLINE STRIPING CONNECT TO EX. STRIPING STA 19+50.15; 0.00' L EL 7539.19

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
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COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

NORTH
0 50
25

PCD FILE NO.: SF2422

DRAWN BY:	RDL	JOB DATE:	9/24/2026
APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	9/24/2026		
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NO.	DATE	BY	REVISION DESCRIPTION
1	9/24/2026	RDL	COUNTY P.A. AS-BUILT

HRGreen
HR GREEN - COLORADO SPRINGS
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COLORADO SPRINGS, CO 80920
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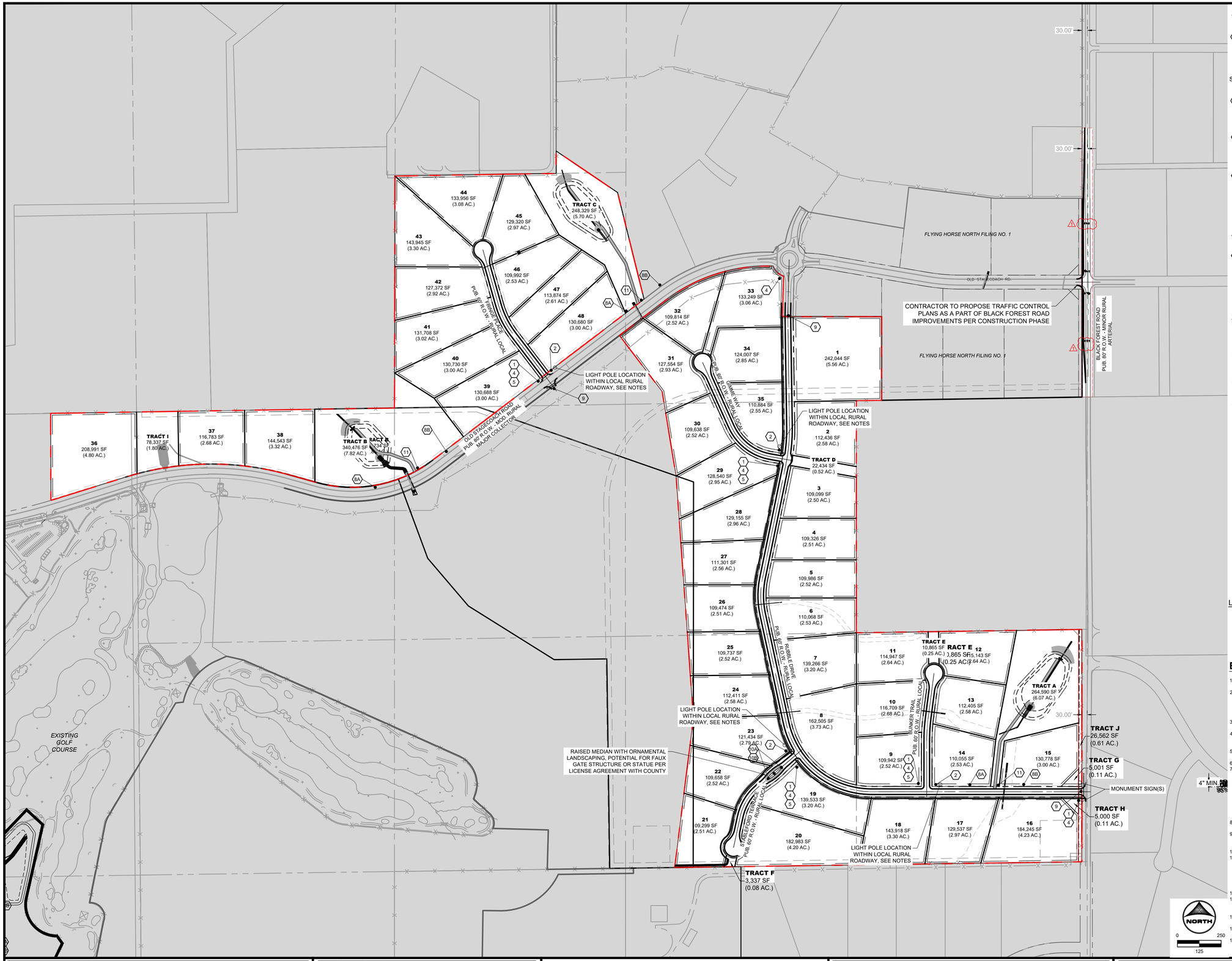
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PRI #2, LLC.
EL PASO COUNTY, CO

PUBLIC ROADWAY IMPROVEMENTS
BLACK FOREST ROAD & OLD STAGECOACH ROAD

SHEET ST 13

HR GREEN Xrefs: xc-row-1030; xv-dsgn-1030; key_map; modified_ditch_sections; xc-row-030.240; xc-dsgn-240; xgr1-dh01-1030.240

LYON, RICHIE, 9/24/2026 11:01 AM



SIGNAGE LEGEND:

1. STOP — R-1, SINGLE LANE 30"X30"
2. NO OUTLET ROAD ONE — K2-0540, 24"x24"
3A. SPEED LIMIT 25 — R2-1, 24"x30"
3B. SPEED LIMIT 30 — R2-1, 24"x30"
4. ROAD NAME — GREEN
6A. W11-11, 24"x24"
6B. W16-7P, 21"x15"
5. ROAD NAME / NO OUTLET — GREEN W/ "NO OUTLET" PATCH
7. FIRE LANE — R8-3, 18"x24"
8A. NO PARKING FIRE LANE — R7-32(R), 18"x24"
8B. NO PARKING FIRE LANE — R7-32(L), 18"x24"
9. TYPE III BARRICADE (TEMPORARY)
10A. R4-7, 18"x24"
10B. OM3-L, 18"x24"
11. NO PUBLIC ACCESS FOR MAINTENANCE PATH — GREEN SIGN W/ WHITE LETTERING, 24"x24"

CONSTRUCTION NOTES:

1. WHERE CONSTRUCTION DETAILS AND SPECIFICATIONS ARE NOTED ON THESE PLANS USE EL PASO COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION.
2. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
3. PAVEMENT MARKING IS THERMOPLASTIC WITH COLOR DESIGNATED IN KEY NOTES.
4. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN ACCORDANCE WITH "THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION.

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COLORADO LICENSED — RICHARD D. LYON — 53921 — PROFESSIONAL ENGINEER

LIGHT POLE NOTES:

1. LIGHT POLE LOCATIONS WITHIN LOCAL URBAN ROADWAY AREAS ARE PER CRITERIA IN THE ECM 4.3.5.D.2 AND TABLE 2-5. WHERE REQUIRED POLE LOCATIONS BY CODE ARE 5.0 FEET MINIMUM FROM EDGE OF ASPHALT AND WITHIN RIGHT-OF-WAY.
2. PROPOSED LIGHT POLE LOCATIONS WITHIN THE LOCAL RURAL ROADWAY AREAS ARE 20' FROM EOA.

EL PASO COUNTY SIGNAGE & STRIPING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW).
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 35 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 12" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE FHWA STANDARD HIGHWAY SIGNS, 2004 EDITION WITH 2012 SUPPLEMENT. SIGNAL POLE MOUNTED AND OVERHEAD STREET NAME SIGNS SHALL BE PER MUTCD SIZE STANDARDS.
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM DIAMOND GRADE RETROREFLECTIVE SHEETING THAT MEETS ASTM D4956 TYPE XI SHEETING REQUIREMENTS.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE PZ TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.125" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 24" WIDE AND A MINIMUM OF 9' LONG. CROSSWALKS SHALL BE INLAID IN ACCORDANCE WITH SECTION 627 OF THE 2025 CDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.
12. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE.
13. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 18 MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
14. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH CDOT STANDARD S-614-1 OR MUTCD FIGURE 2A-2.
15. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY DPW - INSPECTIONS (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
16. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DPW PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

PCD FILE NO.: SF2422

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APPROVED:	RDL
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CAD FILE:	J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Striping and Signage
JOB DATE:	9/24/2026
JOB NUMBER:	211030.240

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 — 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	9/24/2026	RDL	COUNTY P.A. AS-BUILT

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

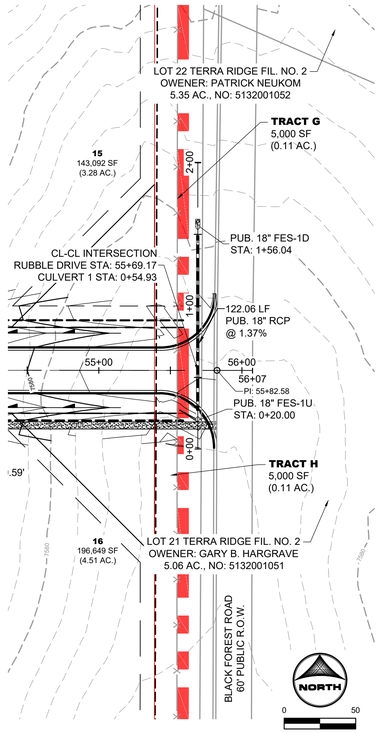
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DRAWINGS
SIGNAGE AND STRIPING

SHEET SNS 14

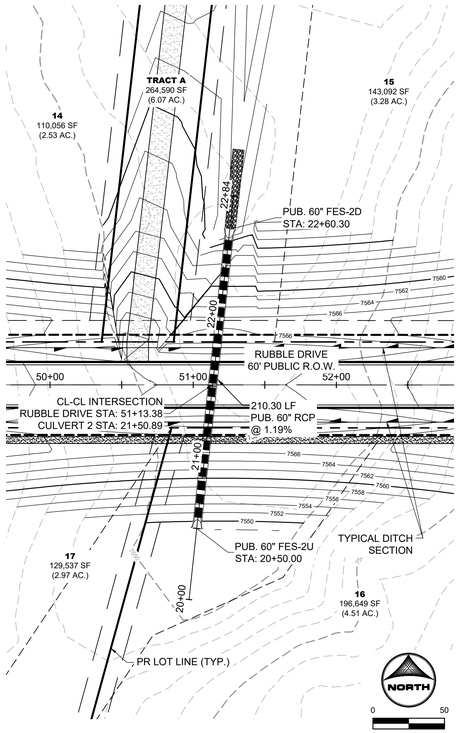
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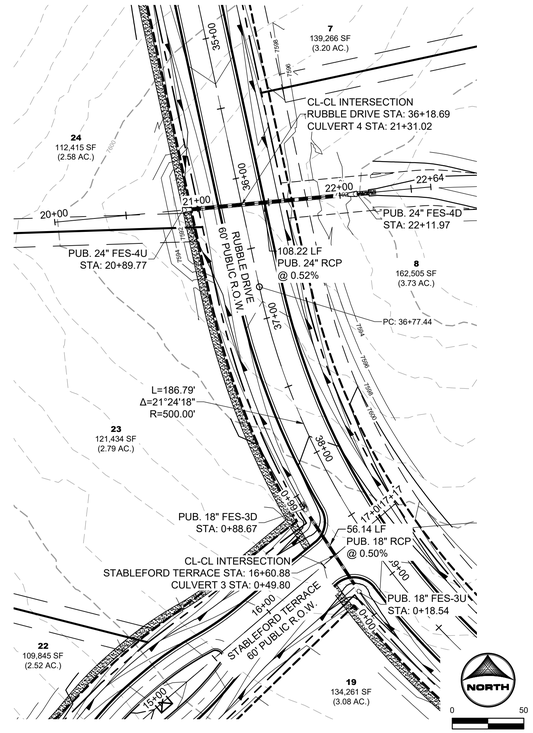
CULVERT 1

PUB. STORM CULVERT PIPE WITHIN RUBBLE DRIVE AND BLACK FORST ROAD PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



CULVERT 2

PUB. STORM CULVERT PIPE WITHIN RUBBLE DRIVE PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

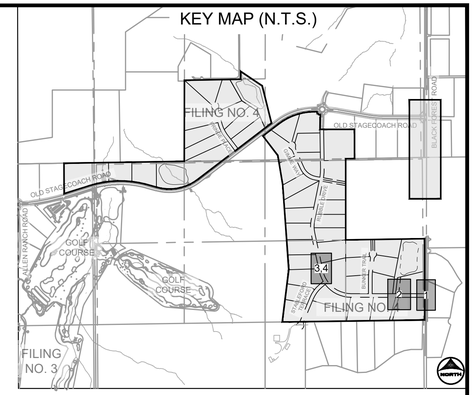


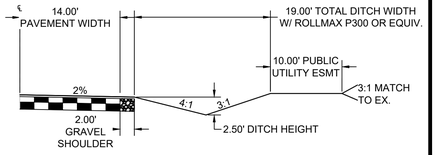
CULVERT 3

PUB. STORM CULVERT PIPE WITHIN STABLEFORD TERRACE AND RUBBLE DRIVE PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

CULVERT 4

PUB. STORM CULVERT PIPE WITHIN RUBBLE DRIVE PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



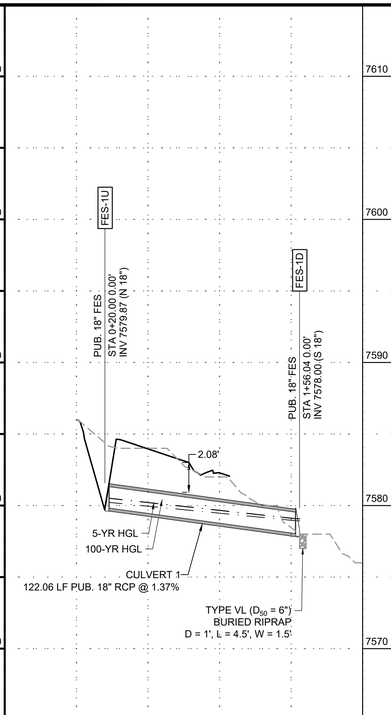


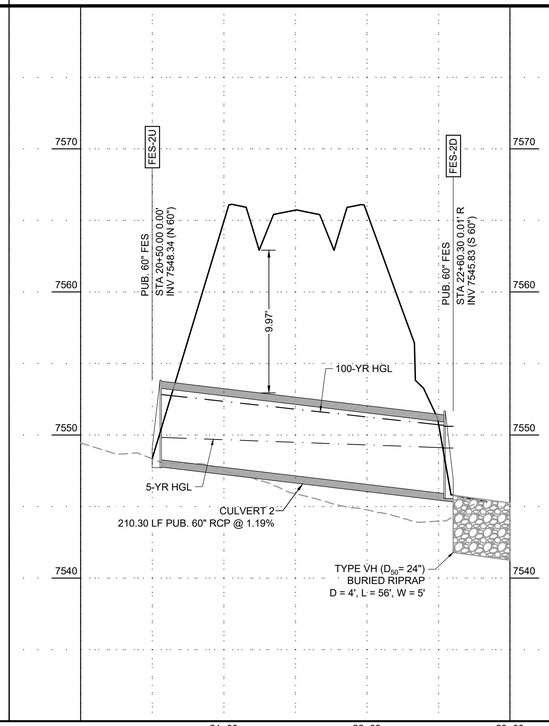
TYPICAL ROADSIDE DITCH SECTION

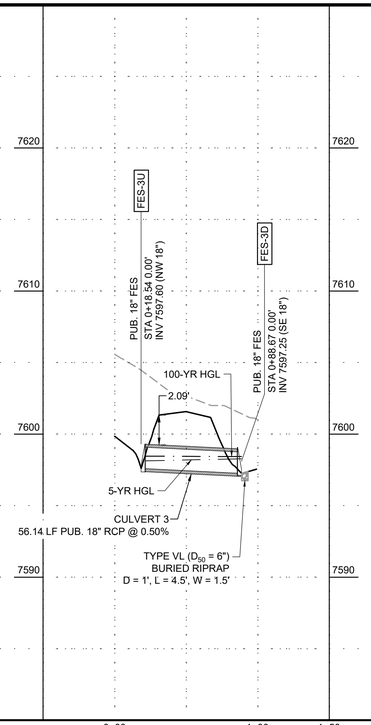
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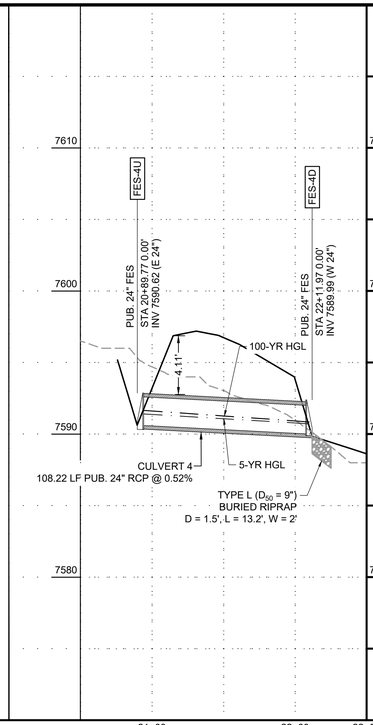
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As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 11:05:08 AM









PROFILE LEGEND

EXISTING GROUND AT PIPE ALIGNMENT

PROPOSED GRADE AT PIPE ALIGNMENT

0 50 HORIZONTAL

0 5 VERTICAL

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	11/26/2024
APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	12/5/2024		
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HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

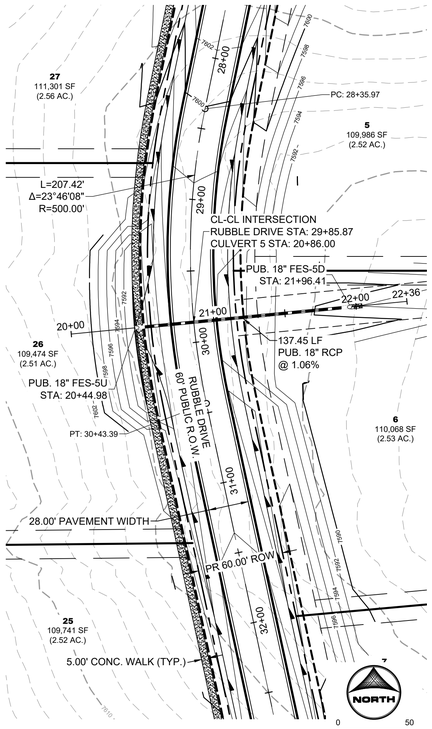
STORM SEWER PLAN & PROFILES

STORM CULVERTS

SHEET STM 15

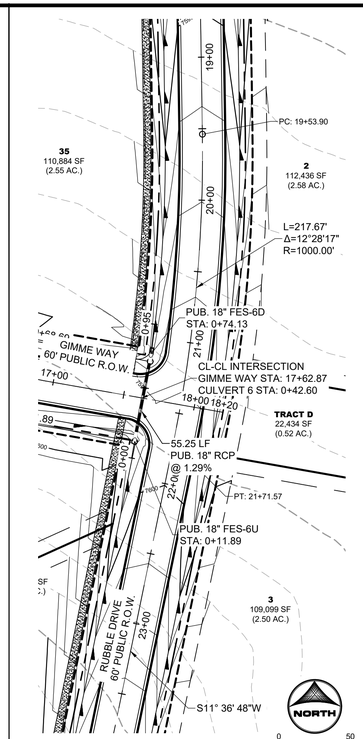
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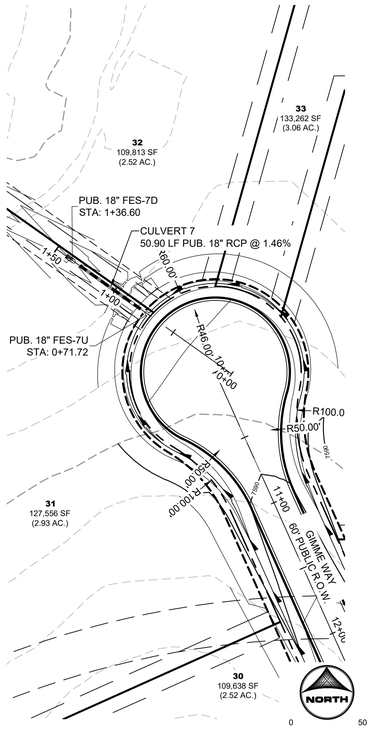
CULVERT 5

PUB. STORM CULVERT PIPE WITHIN RUBBLE DRIVE
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



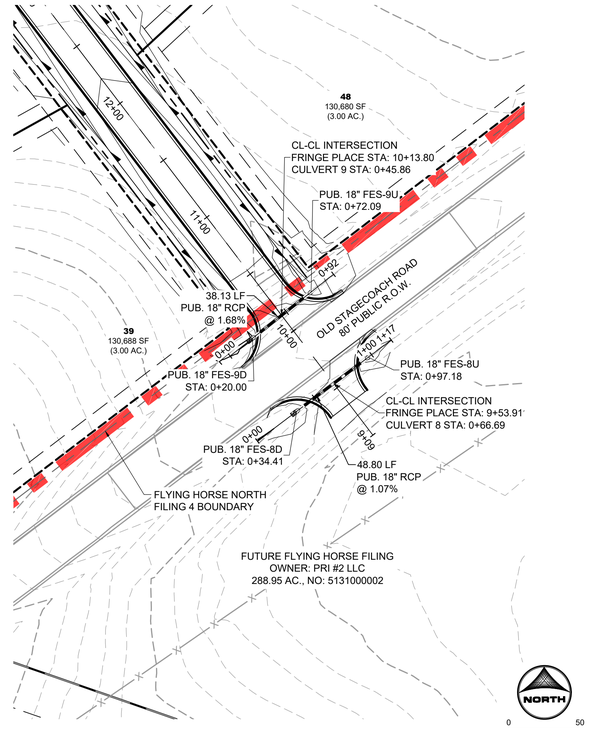
CULVERT 6

PUB. STORM CULVERT PIPE WITHIN GIMME WAY AND RUBBLE DRIVE
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



CULVERT 7

PUB. STORM CULVERT PIPE WITHIN GIMME WAY
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

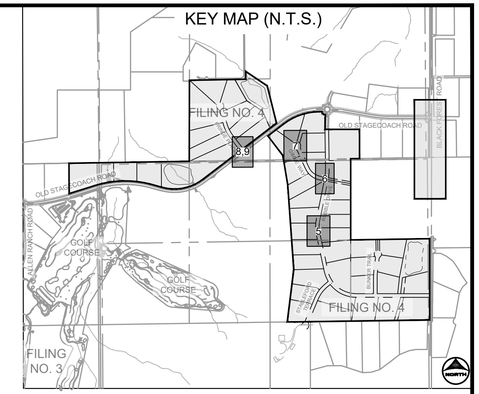


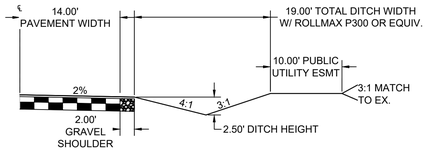
CULVERT 8

PUB. STORM CULVERT PIPE WITHIN FRINGE PLACE (PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL) AND OLD STAGECOACH ROAD (PUB. 80' R.O.W. - COLLECTOR)

CULVERT 9

PUB. STORM CULVERT PIPE WITHIN FRINGE PLACE (PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL) AND OLD STAGECOACH ROAD (PUB. 80' R.O.W. - COLLECTOR)

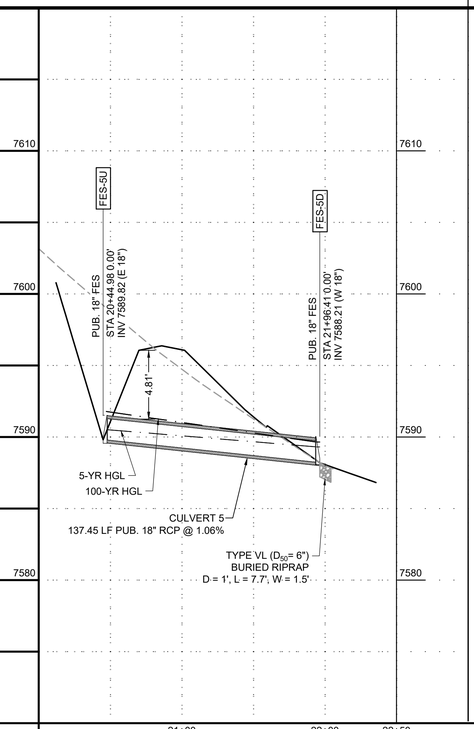


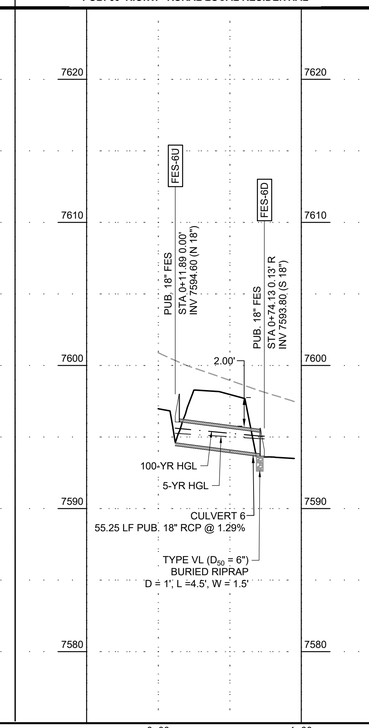


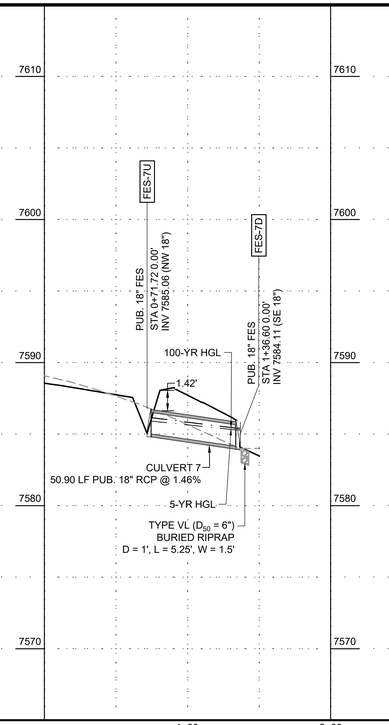
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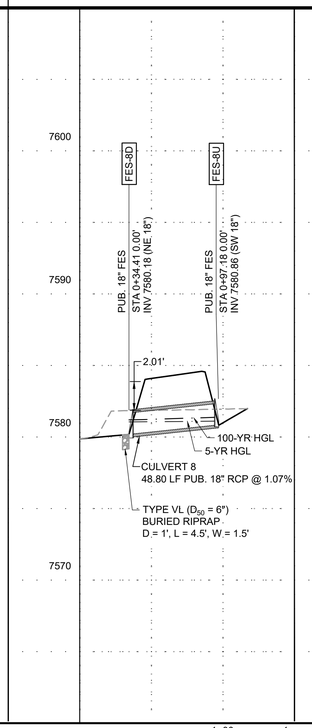
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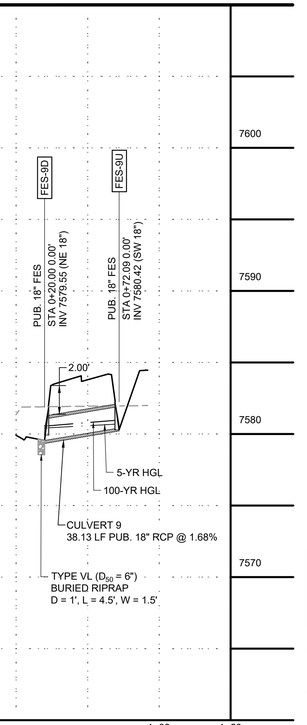
As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 11:05:08 AM











PROFILE LEGEND
EXISTING GROUND AT PIPE ALIGNMENT
PROPOSED GRADE AT PIPE ALIGNMENT

0 50 HORIZONTAL
0 5 VERTICAL

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	11/26/2024
APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	12/5/2024		
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NO.	DATE	BY	REVISION DESCRIPTION

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

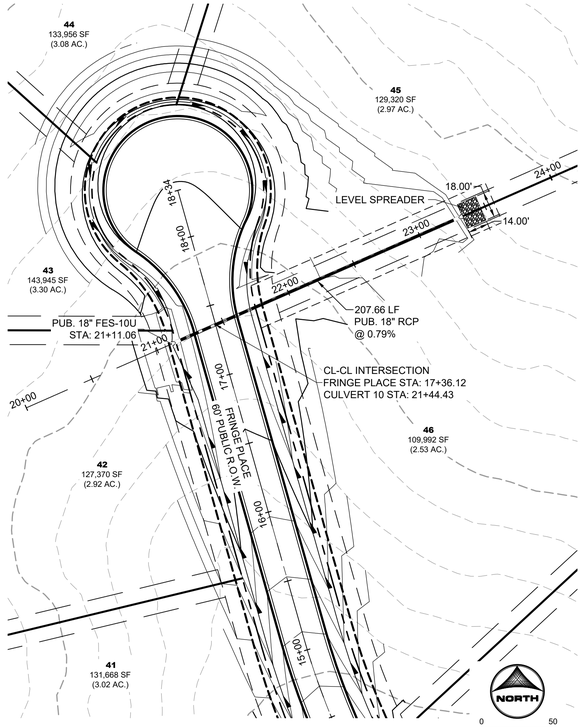
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

STORM SEWER PLAN & PROFILES
STORM CULVERTS

SHEET STM 16

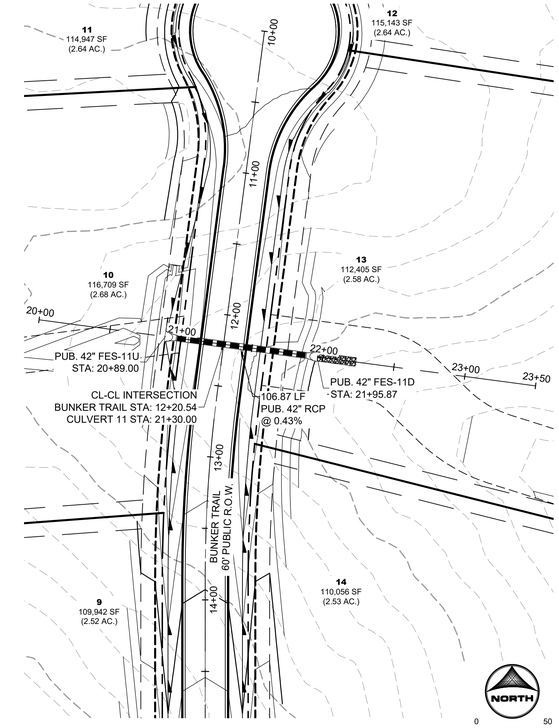
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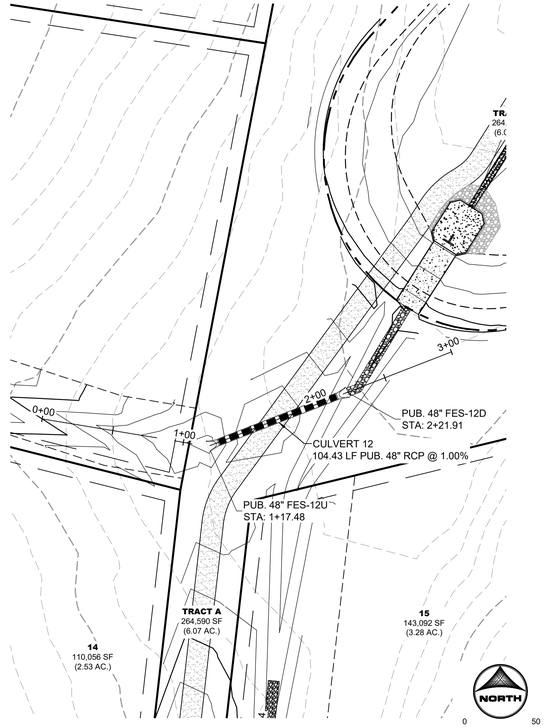
CULVERT 10

PUB. STORM CULVERT PIPE WITHIN FRINGE PLACE
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



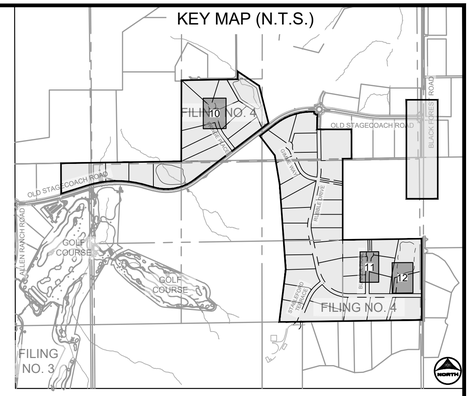
CULVERT 11

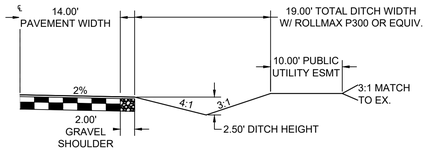
PUB. STORM CULVERT PIPE WITHIN BUNKER TRAIL
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



CULVERT 12

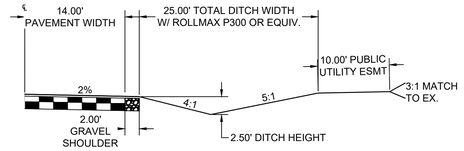
PUB. STORM CULVERT PIPE





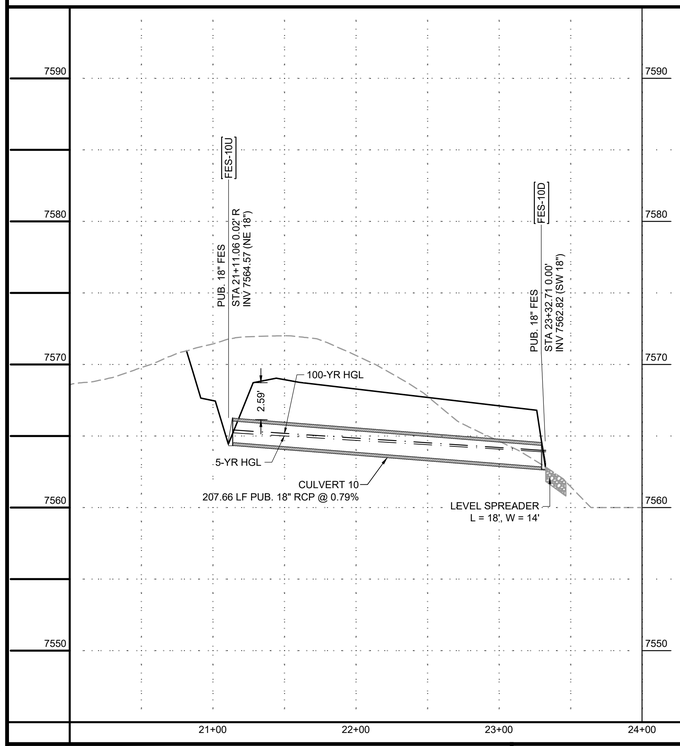
TYPICAL ROADSIDE DITCH SECTION

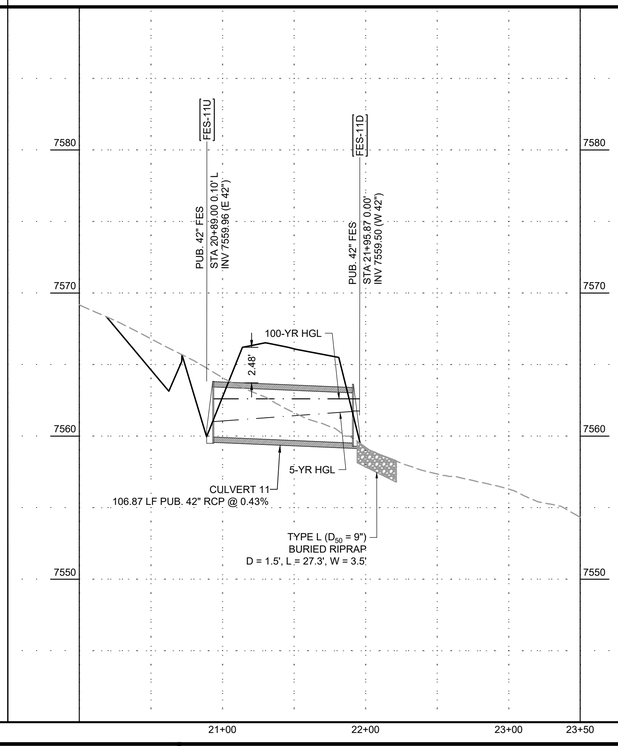
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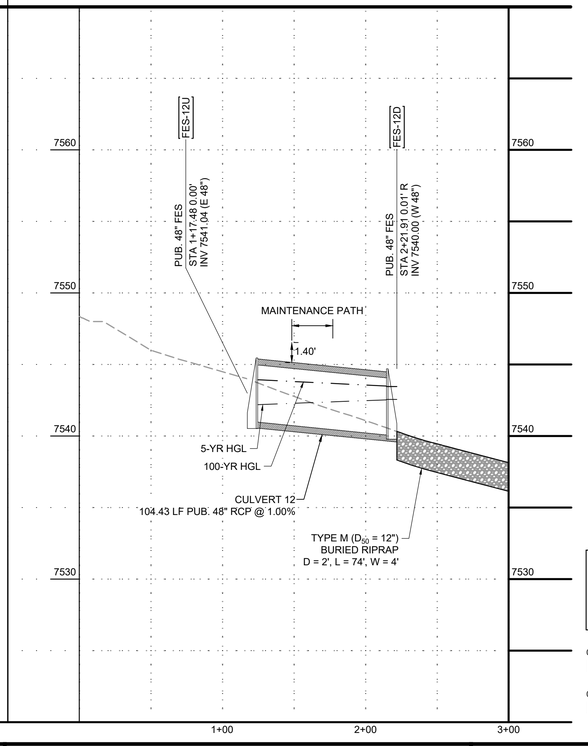


EXPANDED ROADSIDE DITCH SECTION

SCALE: 1"=10'
(ROADS USING THIS SECTION: EAST SIDE OF FRINGE PLACE)







PROFILE LEGEND
- EXISTING GROUND AT PIPE ALIGNMENT
- PROPOSED GRADE AT PIPE ALIGNMENT

0 50 HORIZONTAL
0 5 VERTICAL

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 11:05:09 AM

COLORADO LICENSED
RICHARD D. LYON
No. 53921
PROFESSIONAL ENGINEER

COLORADO LICENSED
RICHARD D. LYON
No. 53921
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	11/26/2024
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HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
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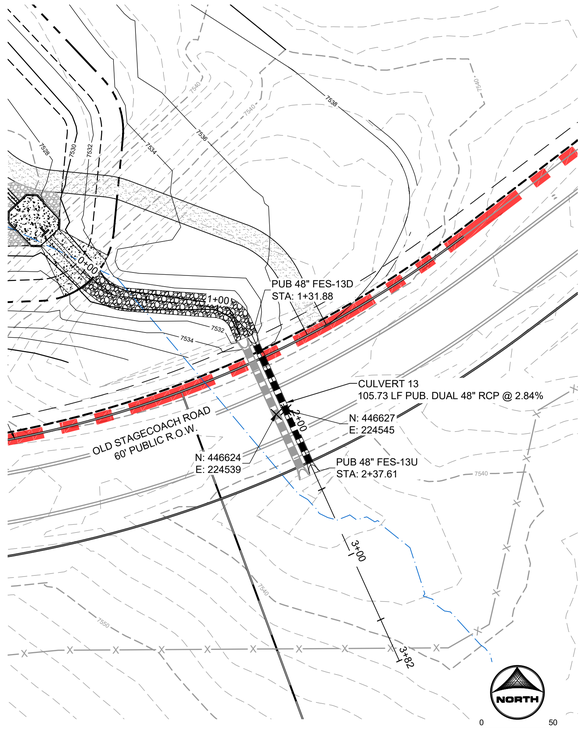
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

STORM SEWER PLAN & PROFILES
STORM CULVERTS

SHEET
STM
17

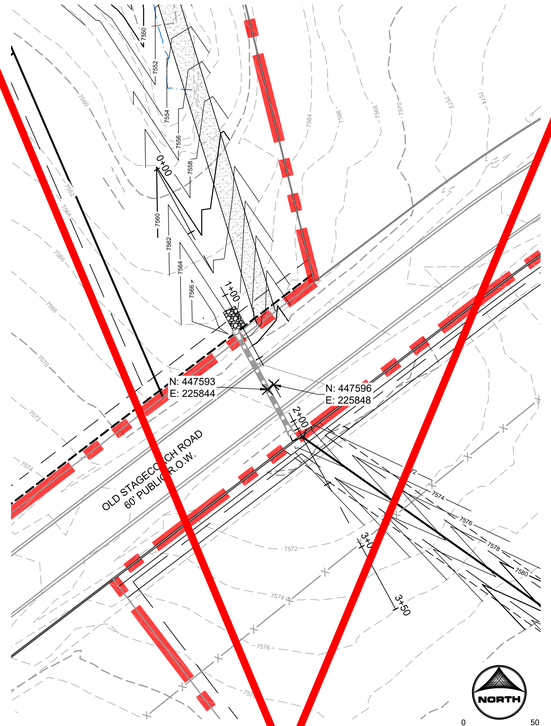
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LYON, RICHIE, 9/24/2026 11:42 AM



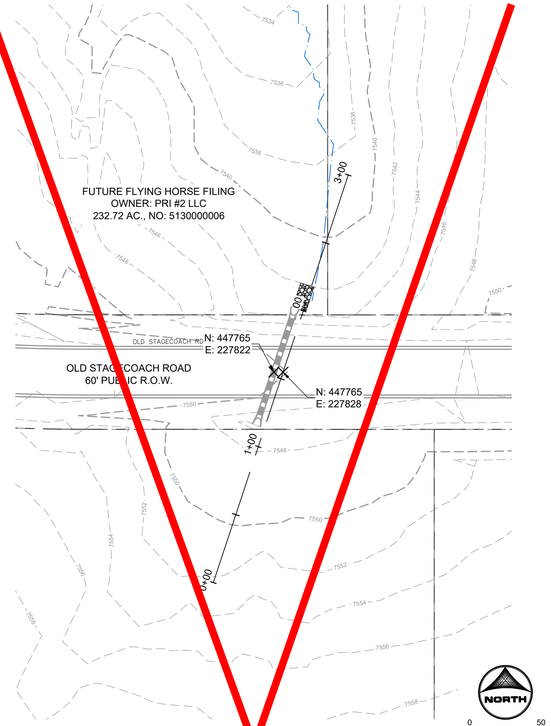
CULVERT 13

PUB. STORM CULVERT PIPE WITHIN OLD STAGECOACH ROAD
PUB. 80' R.O.W. - COLLECTOR



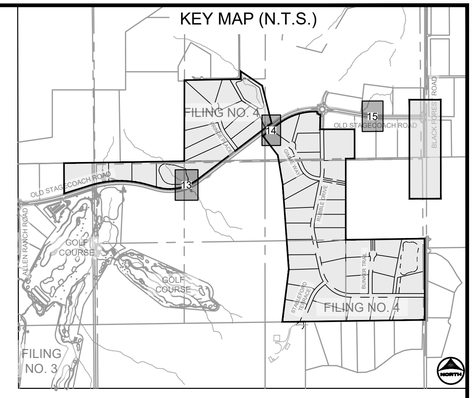
CULVERT 14

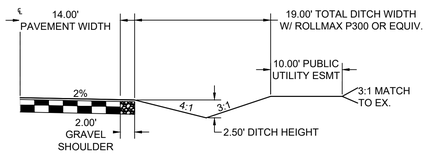
PUB. STORM CULVERT PIPE WITHIN OLD STAGECOACH
PUB. 80' R.O.W. - COLLECTOR



CULVERT 15

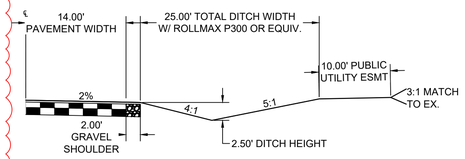
PUB. STORM CULVERT PIPE WITHIN OLD STAGE COACH
PUB. 80' ROW - COLLECTOR





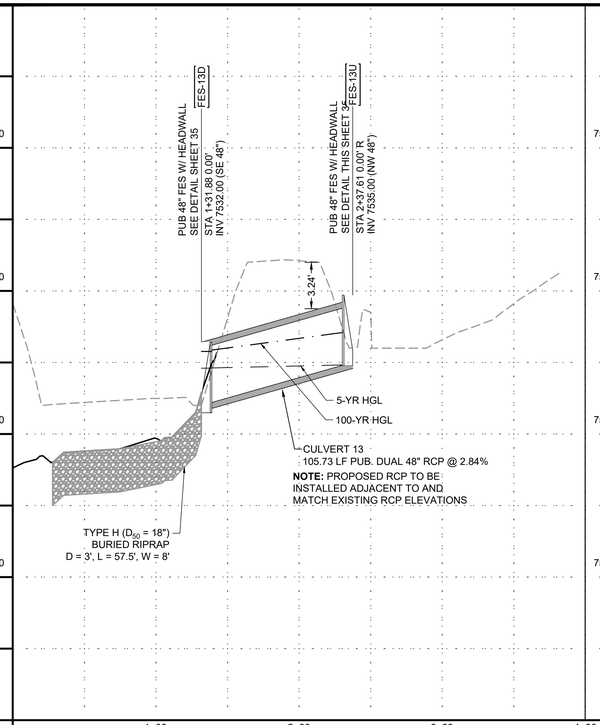
TYPICAL ROADSIDE DITCH SECTION

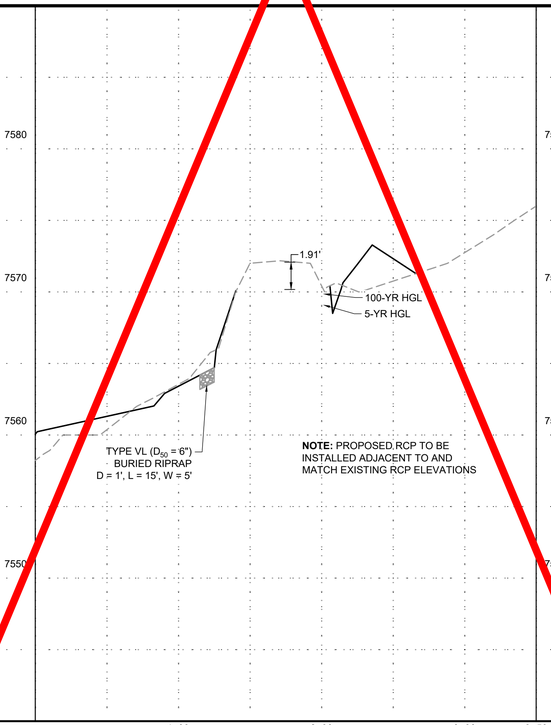
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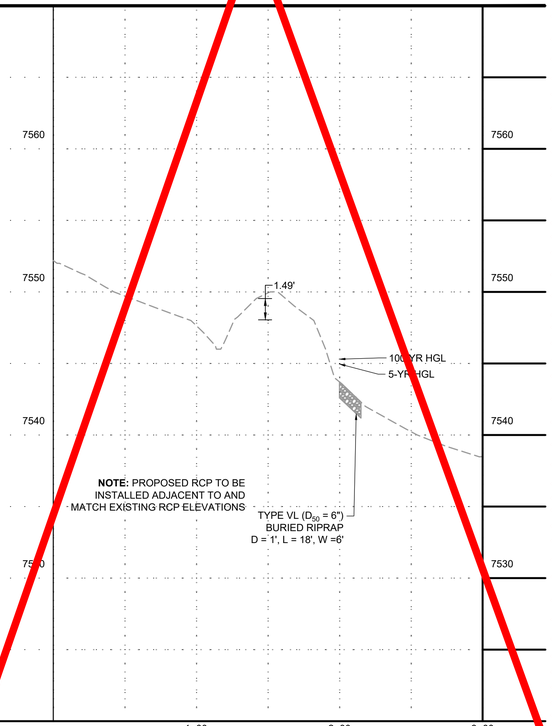


EXPANDED ROADSIDE DITCH SECTION

SCALE: 1"=10'
(ROADS USING THIS SECTION: EAST SIDE OF FRINGE PLACE)







As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 11:43:16 AM

PROFILE LEGEND
- EXISTING GROUND AT PIPE ALIGNMENT
- PROPOSED GRADE AT PIPE ALIGNMENT

COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

0 50 HORIZONTAL
0 5 VERTICAL

PCD FILE NO.: SF2422

DRAWN BY:	CMD
APPROVED:	RDL
CAD DATE:	9/24/2026
CAD FILE:	J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Storm_PNP
JOB DATE:	4/24/2025
JOB NUMBER:	211030.240

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	9/24/2026	RDL	COUNTY P.A. AS-BUILT

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

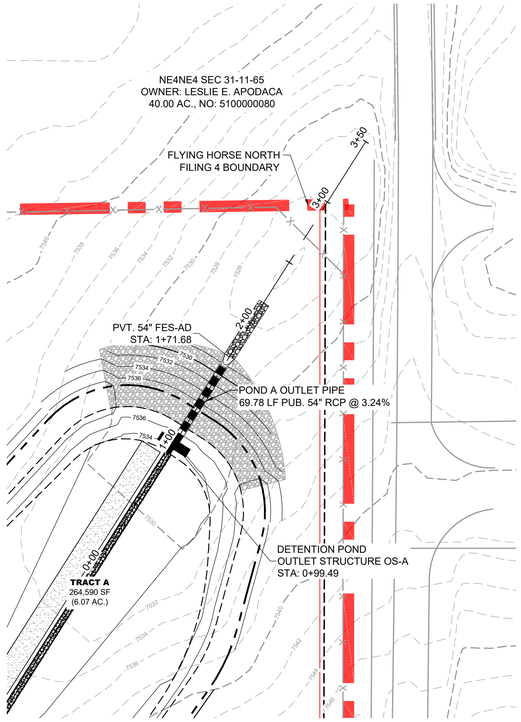
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

STORM SEWER PLAN & PROFILES
STORM CULVERTS

SHEET
STM
18

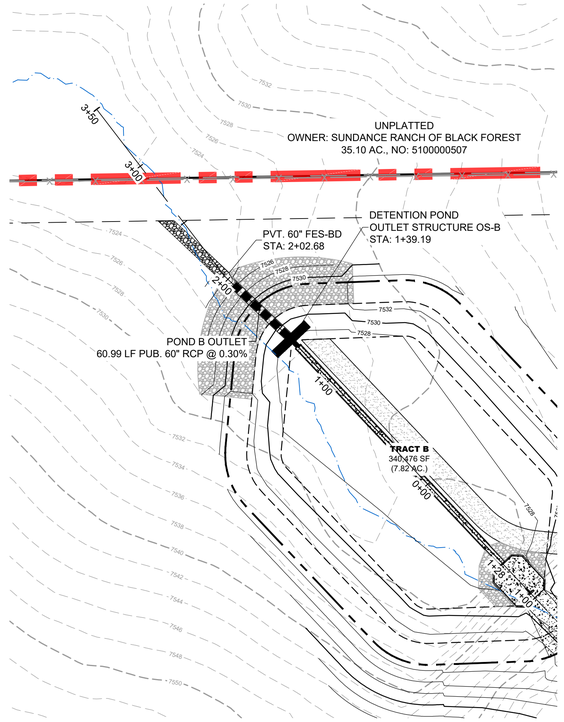
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DOMBROWSKI, COLIN, 12/5/2024 4:52 PM



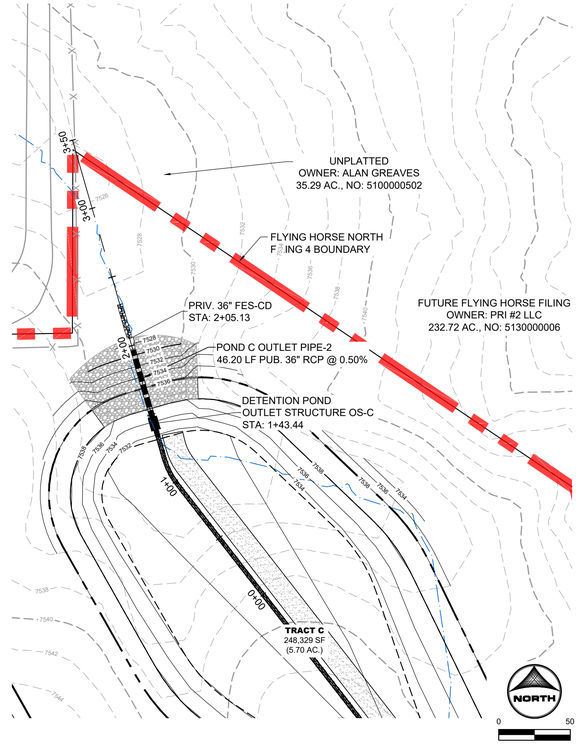
POND A OUTLET

PVT. STORM CULVERT PIPE WITHIN TRACT A



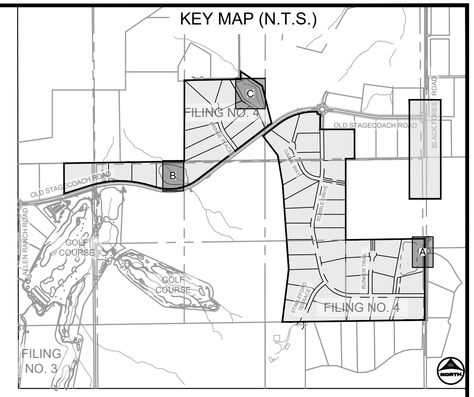
POND B OUTLET

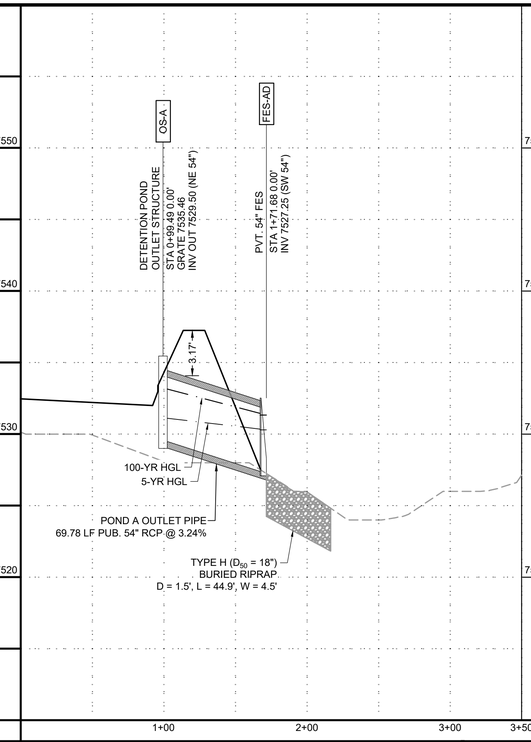
PVT. STORM CULVERT PIPE WITHIN TRACT B

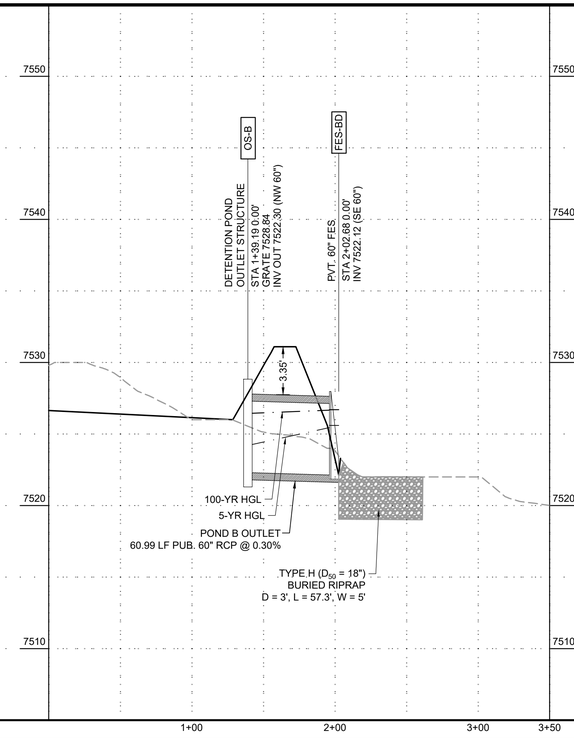


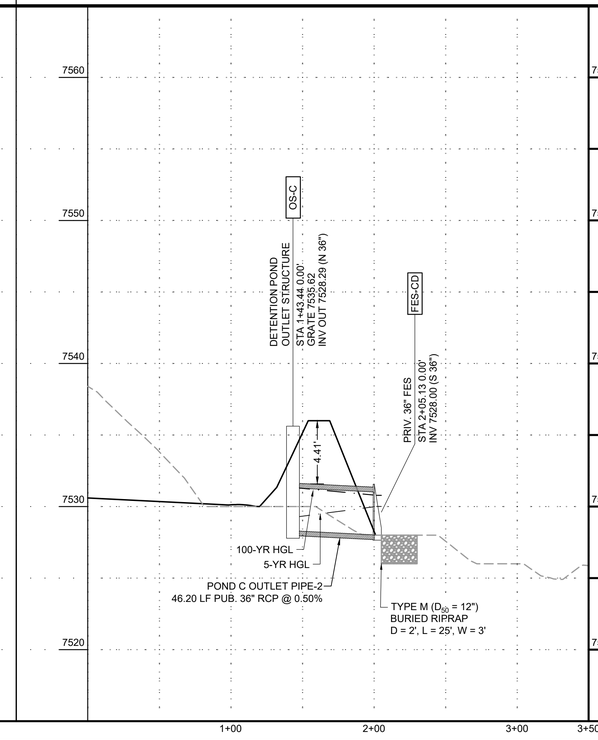
POND C OUTLET

PVT. STORM CULVERT PIPE WITHIN TRACT C









PROFILE LEGEND
- EXISTING GROUND AT PIPE ALIGNMENT
- PROPOSED GRADE AT PIPE ALIGNMENT

0 50 HORIZONTAL
0 5 VERTICAL

As-Built Document
PE Approval by: Richard D Nelson
(Stamp Appended on this Plan Sheet)
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COLORADO LICENSED
RICHARD D NELSON
53921
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	11/26/2024
APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	12/5/2024		
CAD FILE:	J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Storm_PNP		

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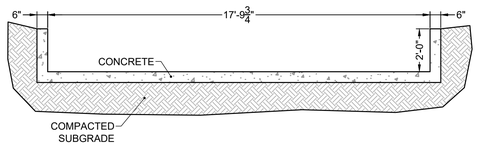
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

STORM SEWER PLAN & PROFILES
POND OUTLET PIPES

SHEET STM 19

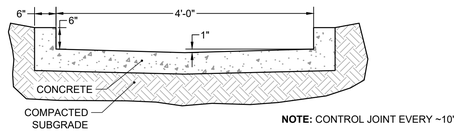
HR GREEN Xrefs: xv-row-1030; xv-dsgn-1030; key_map; modified_ditch_sections; xc-row-030.240; xc-dsgn-240; xgr-1-dh01-1030.240

POND A



TYPICAL SECTION –
CONCRETE RUNDOWN

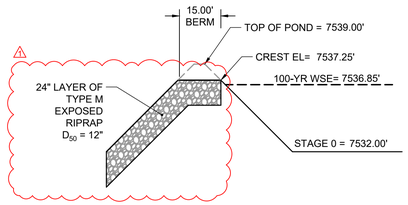
SCALE: NTS



NOTE: CONTROL JOINT EVERY ~10'

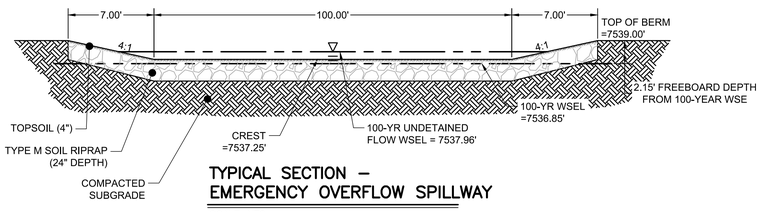
TYPICAL DETAIL –
4.0' TRICKLE CHANNEL

SCALE: NTS



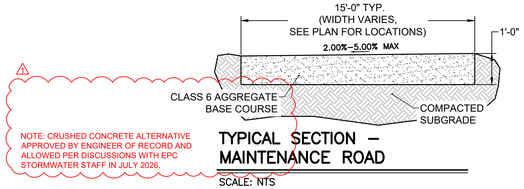
PROFILE VIEW –
EMERGENCY OVERFLOW SPILLWAY

SCALE: NTS



TYPICAL SECTION –
EMERGENCY OVERFLOW SPILLWAY

SCALE: NTS

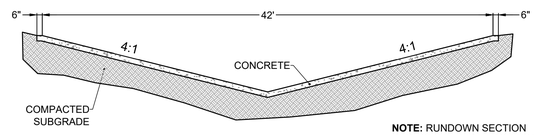


NOTE: CRUSHED CONCRETE ALTERNATIVE APPROVED BY ENGINEER OF RECORD AND ALLOWED PER DISCUSSIONS WITH EPC STORMWATER STAFF IN JULY 2026.

TYPICAL SECTION –
MAINTENANCE ROAD

SCALE: NTS

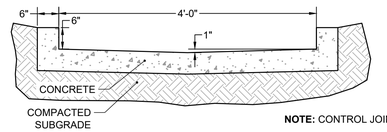
POND B



NOTE: RUNDOWN SECTION REDUCES IN WIDTH DOWNSTREAM, SEE POND B GRADING PLAN

TYPICAL SECTION –
CONCRETE RUNDOWN

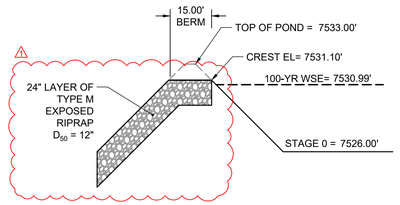
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NOTE: CONTROL JOINT EVERY ~10'

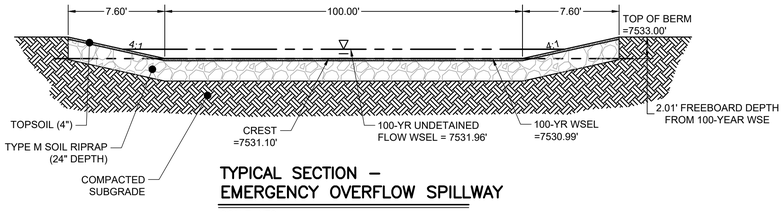
TYPICAL DETAIL –
4.0' TRICKLE CHANNEL

SCALE: NTS



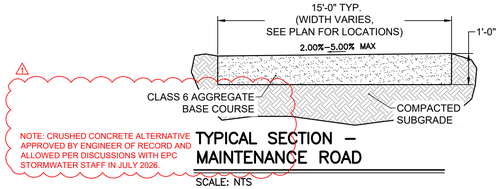
PROFILE VIEW –
EMERGENCY OVERFLOW SPILLWAY

SCALE: NTS



TYPICAL SECTION –
EMERGENCY OVERFLOW SPILLWAY

SCALE: NTS

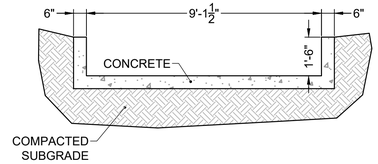


NOTE: CRUSHED CONCRETE ALTERNATIVE APPROVED BY ENGINEER OF RECORD AND ALLOWED PER DISCUSSIONS WITH EPC STORMWATER STAFF IN JULY 2026.

TYPICAL SECTION –
MAINTENANCE ROAD

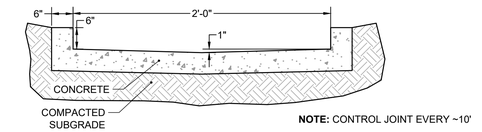
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POND C



TYPICAL SECTION –
CONCRETE RUNDOWN

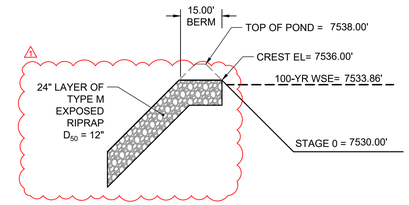
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NOTE: CONTROL JOINT EVERY ~10'

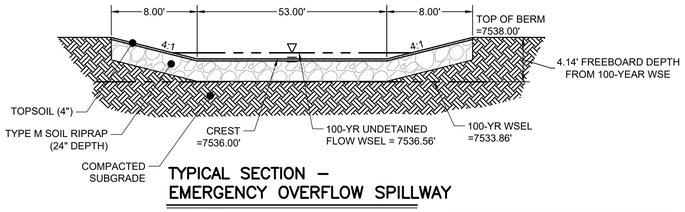
TYPICAL DETAIL –
2.0' TRICKLE CHANNEL

SCALE: NTS



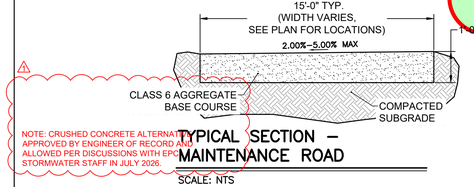
PROFILE VIEW –
EMERGENCY OVERFLOW SPILLWAY

SCALE: NTS



TYPICAL SECTION –
EMERGENCY OVERFLOW SPILLWAY

SCALE: NTS



NOTE: CRUSHED CONCRETE ALTERNATIVE APPROVED BY ENGINEER OF RECORD AND ALLOWED PER DISCUSSIONS WITH EPC STORMWATER STAFF IN JULY 2026.

TYPICAL SECTION –
MAINTENANCE ROAD

SCALE: NTS

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 12:21:11 PM

COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY: CMD JOB DATE: 9/24/26
APPROVED: RDL JOB NUMBER: 211030.240
CAD DATE: 9/24/2026
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Pond_A_Grading

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0 1"
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HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

DRAINAGE DETAILS
POND DETAILS

SHEET PND 20

HR GREEN Xrefs: xc-utli-030;202; xv-dsgn-1030; xv-row-1030; xv-utli-1030; key_map; Maintenance_Road; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_A; xc-row-030;240; Swale_H-H; Swale_I-I; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_C; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_A; xc-dsgn-240; xv-row-030;240; Swale_H-H; Swale_I-I; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_C; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_A;

MATCHLINE: SEE SHEET 22

13
112,405 SF
(2.58 AC.)

TRACT A
264,590 SF
(6.07 AC.)

14
110,056 SF
(2.53 AC.)

15
141,839 SF
(3.26 AC.)

17
129,537 SF
(2.97 AC.)

16
196,649 SF
(4.51 AC.)

TYPE M (D_{50} = 12") BURIED RIPRAP D = 2', L - 74', W = 4'

SWALE 1

CULVERT 12
SEE STORM SHEET 17

PR. GRASS LINED SWALE I-I, SEE DETAIL THIS SHEET

PR. GRASS LINED SWALE H-H, SEE DETAIL THIS SHEET. INSTALL WITH T-MAX TURF ROLLED MATTING AND PERMANENT SEEDING FOR FINAL STABILIZATION

CULVERT OUTFALL RIP-RAP PAD, SEE DETAIL H-H W/ RIP-RAP: TYPE VH (D_{50} = 24") BURIED RIPRAP D = 4', L - 56', W = 8'.

15.00' MAINT. PATH TO POND A

70.00' DRAINAGE ESMT.

CULVERT 2
SEE STORM SHEET 15

GRAVEL MAINT. PATH ACCESS FROM R.O.W.

RUBBLE DRIVE
60' PUB. R.O.W.
RURAL LOCAL

10' ELEC. ESMT.

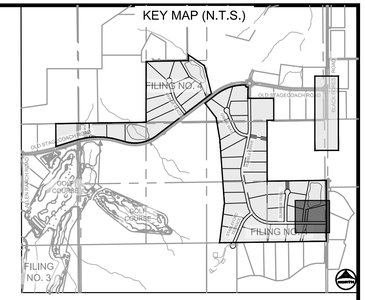
5' P.I.E.

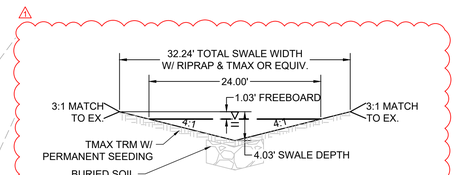
ROADSIDE SWALE (TYP.)

EX. ESMT.

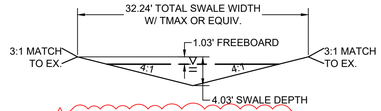
POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
(1)	Begin Maint. Road	N: 444868.57 E: 227888.54	7565.66
(2)	Begin Maint. Road	N: 444868.57 E: 227873.44	7565.99
(3)	Maint. Road	N: 444882.57 E: 227888.54	7565.42
(4)	Maint. Road	N: 444882.57 E: 227873.45	7565.74
(5)	Maint. Road	N: 444965.10 E: 227897.88	7554.65
(6)	Maint. Road	N: 444966.79 E: 227882.97	7554.95
(7)	Maint. Road	N: 445126.31 E: 227916.11	7544.76
(8)	Maint. Road	N: 445128.00 E: 227901.20	7545.06
(9)	Maint. Road	N: 445150.21 E: 227925.44	7545.43
(10)	Maint. Road	N: 445159.07 E: 227913.33	7545.73
(11)	Maint. Road	N: 445201.24 E: 227962.77	7546.65
(12)	Maint. Road	N: 445210.10 E: 227950.66	7546.95

KEY MAP (N.T.S.)

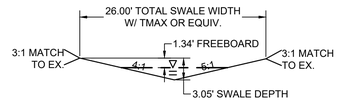




SWALE H-H W/ RIP-RAP SECTION
SCALE: 1"=10'



SWALE H-H (NO RIP-RAP) SECTION
SCALE: 1"=10'



SWALE I-I - SECTION
SCALE: 1"=10'

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 12:21:44 PM

COLORADO LICENSED
RICHARD D. LYON
53921
09/24/2026
PROFESSIONAL ENGINEER

POND GRADING NOTES:

1. TWO SIGNS OF MINIMUM 3 SQ. FT. AREA, SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS WILL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND STATING, "WARNING- THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING.
2. SEE LANDSCAPE PLAN FOR RE-SEEDING AREAS ASSOCIATED WITH PERMANENT CONTROL MEASURE IMPROVEMENTS.
3. SEE GRADING & EROSION CONTROL PLANS FOR ANY EXISTING VEGETATION IN THE AREA. CLEARING AND GRUBBING WILL OCCUR PRIOR TO POND CONSTRUCTION AND THEREFORE, NO EXISTING VEGETATION WILL BE PRESENT.
4. ALL RIPRAP MUST BE INSTALLED PER DETAIL ON SHEET 2.

ABBREVIATIONS:

T.O.W. ~ TOP OF WALL
B.O.P. ~ BOTTOM OF POND
T.O.P. ~ TOP OF POND
T.C. ~ TRICKLE CHANNEL
G.B. ~ GRADE BREAK

PCD FILE NO.: SF2422

NORTH
0 30
15

DRAWN BY: CMD JOB DATE: 9/24/26
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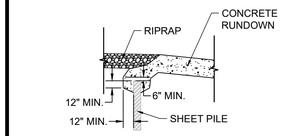
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FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

DRAINAGE DETAILS
POND A GRADING PLAN

SHEET PND 21

HR GREEN Xrefs: xc-util-030:202; xv-dsgn-1030; xv-row-1030; xv-util-1030; xgr-1-dh01-1030; key_map; Maintenance_Road; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_A; xc-dsgn-240; xv-row-030:240; Swale_H-H; Swale_I-I; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; pond_grading_notes; Spillway_POND_A; xc-dsgn-240; xv-row-1030; xv-util-1030; xgr-1-dh01-1030; key_map; Maintenance_Road; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_A; xc-dsgn-240; xv-row-030:240; Swale_H-H; Swale_I-I; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_C; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_C; xc-dsgn-240; xv-row-1030; xv-util-1030; xgr-1-dh01-1030; key_map; Maintenance_Road; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_A; Spillway_POND_A; xc-dsgn-240; xv-row-030:240; Swale_H-H; Swale_I-I; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_C; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_C; xc-dsgn-240; xv-row-1030; xv-util-1030; xgr-1-dh01-1030; key_map; Maintenance_Road; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_A; xc-dsgn-240; xv-row-1030; xv-util-1030; xgr-1-dh01-1030; key_map; Maintenance_Road; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_A; Spillway_POND_A; xc-dsgn-240; xv-row-030:240; Swale_H-H; Swale_I-I; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_C; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_C; xc-dsgn-240; xv-row-1030; xv-util-1030; xgr-1-dh01-1030; key_map; Maintenance_Road; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_A; Spillway_POND_A; xc-dsgn-240; xv-row-030:240; Swale_H-H; Swale_I-I; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_C; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_C; xc-dsgn-240; xv-row-1030; xv-util-1030; xgr-1-dh01-1030; key_map; Maintenance_Road; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4.0_Trickle_Channel; pond_grading_notes; Spillway_POND_A



SHEET PILE CUTOFF CONNECTION

SCALE: NTS

NE4NE4 SEC 31-11-65
OWNER: LESLIE E APODACA
40.00 AC., NO. 5100000080

N89° 59' 21"E 303.70'

EX. FENCE TO REMAIN

20.00' R.O.W. DEDICATION

TYPE M (D_{50} = 12") EXPOSED RIPRAP D = 2'

TYPE H (D_{50} = 18") EXPOSED RIPRAP D = 1.5', L - 44.9', W = 4.5'

EMERGENCY OVERFLOW SPILLWAY, SEE DETAIL ON SHEET 20

FES-AD PVT. 54" (PVT)

69.78 LF PVT. 54" RCP AT 3.24%

UNPLATTED
OWNER: SPLIT PINE RANCH LIVING TRUST
40.00 AC., NO. 5100000364

OS-A
DETENTION POND
OUTLET STRUCTURE (PVT)

POND A OUTLET STRUCTURE, SEE DETAILS ON SHEET 24

100' EMERGENCY SPILLWAY WSEL

12
115,143 SF
(2.64 AC.)

15.00' BERM WIDTH

100 YR WSEL = 7536.85'

BOTTOM OF POND

S32° 22' 12"W 305.11'

WQCV = 7534.72'

EURV = 7535.18'

15.00' MAINT. PATH

CONC. TRICKLE CHANNEL, SEE DETAILS ON SHEET 20

TRACT A
264,590 SF
(6.07 AC.)

13
112,405 SF
(2.58 AC.)

15.00' BERM WIDTH

POND BERM/EMBANKMENT

TYPE L (D_{50} = 9") BURIED RIPRAP D = 1.5'

TYPE M (D_{50} = 12") BURIED RIPRAP D = 2', L - 74', W = 4'

CONC. FOREBAY, SEE DETAILS ON SHEET 23

SHEET PILE CUTOFF WALL, SEE DETAIL THIS SHEET

CONCRETE RUNDOWN

MATCHLINE: SEE SHEET 21

FLYING HORSE NORTH FILING 4 BOUNDARY

EX. FENCE TO REMAIN

BLACK FOREST ROAD
(100' PUBLIC R.O.W. - MINOR ARTERIAL)

N0° 00' 54"E 534.06'

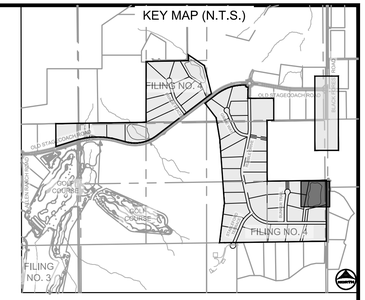
LOT 22 TERRA RIDGE FIL. NO. 2
OWNER: PATRICK NEUKOM
5.35 AC., NO. 5132001052

UTILITY ESMT
BOOK 2287, PAGE 288
BOOK 2310, PAGE 481
BOOK 3673, PAGE 912

30.00'

NORTH
0 30
15

KEY MAP (N.T.S.)



POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
(13)	Maint. Road	N: 445243.59 E: 227993.75	7543.03
(14)	Maint. Road	N: 445252.45 E: 227981.65	7543.33
(15)	Maint. Road/T.O.P.	N: 445290.43 E: 228028.02	7540.69
(16)	Maint. Road/T.O.P.	N: 445301.21 E: 228017.32	7540.45
(17)	Maint. Road/T.O.P.	N: 445302.59 E: 228036.92	7539.07
(18)	Maint. Road/T.O.P.	N: 445313.66 E: 228026.42	7539.10
(19)	T.O.P.	N: 445458.38 E: 228030.58	7539.00
(20)	T.O.P.	N: 445468.57 E: 228019.57	7539.00
(21)	T.O.P.	N: 445551.13 E: 228116.46	7539.00
(22)	T.O.P.	N: 445552.03 E: 228096.85	7539.00
(23)	T.O.P.	N: 445619.98 E: 228180.22	7539.00
(24)	T.O.P.	N: 445630.18 E: 228169.21	7539.00
(25)	Spillway	N: 445638.10 E: 228212.70	7539.00
(26)	Spillway	N: 445652.82 E: 228209.82	7539.00
(27)	Spillway Crest	N: 445639.04 E: 228219.64	7537.25
(28)	Spillway Crest	N: 445654.00 E: 228218.49	7537.25
(29)	Spillway Crest	N: 445629.89 E: 228256.37	7537.25
(30)	Spillway Crest	N: 445642.56 E: 228264.40	7537.25
(31)	Spillway Crest	N: 445616.36 E: 228277.71	7537.25
(32)	Spillway Crest	N: 445629.03 E: 228285.74	7537.25
(33)	Spillway Crest	N: 445587.05 E: 228301.66	7537.25
(34)	Spillway Crest	N: 445592.39 E: 228315.67	7537.25
(35)	Spillway	N: 445580.38 E: 228303.76	7539.00
(36)	Spillway	N: 445584.05 E: 228318.31	7539.00
(37)	T.O.P.	N: 445549.99 E: 228303.50	7539.00
(38)	T.O.P.	N: 445546.06 E: 228317.98	7539.00
(39)	T.O.P.	N: 445487.50 E: 228286.56	7539.00
(40)	T.O.P.	N: 445483.58 E: 228301.04	7539.00
(41)	T.O.P.	N: 445449.70 E: 228268.78	7539.00
(42)	T.O.P.	N: 445441.05 E: 228281.03	7539.00
(43)	T.O.P.	N: 445315.08 E: 228173.75	7539.00
(44)	T.O.P.	N: 445306.43 E: 228186.00	7539.00
(45)	T.O.P.	N: 445283.48 E: 228066.64	7539.00
(46)	Rundown T.O.W.	N: 445273.15 E: 228052.77	7541.00
(47)	Rundown	N: 445273.42 E: 228052.35	7539.00
(48)	Rundown	N: 445282.96 E: 228037.30	7539.00
(49)	Rundown T.O.W.	N: 445283.21 E: 228036.87	7541.00
(50)	Maint. Road/B.O.P.	N: 445334.07 E: 228059.84	7535.28
(51)	Maint. Road/B.O.P.	N: 445349.19 E: 228051.66	7535.37
(52)	B.O.P.	N: 445360.62 E: 228045.48	7535.45
(53)	B.O.P.	N: 445436.87 E: 228037.63	7536.91
(54)	B.O.P.	N: 445479.32 E: 228063.13	7536.71
(55)	B.O.P.	N: 445534.90 E: 228119.35	7535.62
(56)	B.O.P.	N: 445602.26 E: 228187.48	7534.29
(57)	B.O.P.	N: 445607.98 E: 228250.90	7532.58
(58)	B.O.P.	N: 445605.29 E: 228255.14	7532.58

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
(59)	B.O.P.	N: 445557.74 E: 228282.20	7534.18
(60)	B.O.P.	N: 445533.48 E: 228280.82	7534.76
(61)	B.O.P.	N: 445430.51 E: 228245.24	7536.30
(62)	B.O.P.	N: 445389.94 E: 228216.97	7536.46
(63)	B.O.P.	N: 445357.32 E: 228194.25	7536.59
(64)	Maint. Road	N: 445343.93 E: 228066.08	7534.94
(65)	Maint. Road	N: 445351.96 E: 228053.41	7535.27
(66)	Maint. Road	N: 445361.80 E: 228084.95	7534.29
(67)	Maint. Road	N: 445374.53 E: 228077.00	7534.48
(68)	Maint. Road	N: 445378.12 E: 228102.24	7534.02
(69)	Maint. Road	N: 445386.15 E: 228089.57	7534.33
(70)	Maint. Road	N: 445492.61 E: 228174.81	7533.35
(71)	Maint. Road	N: 445500.64 E: 228162.14	7533.65
(72)	End Maint. Road	N: 445607.10 E: 228247.38	7532.64
(73)	End Maint. Road	N: 445615.13 E: 228234.71	7533.21
(74)	B.O.P./F.B. Outer	N: 445315.77 E: 228086.10	7535.27
(75)	B.O.P./F.B. Outer	N: 445331.55 E: 228061.20	7535.27
(76)	Forebay Outer	N: 445343.99 E: 228097.49	7534.31
(77)	Forebay Outer	N: 445353.89 E: 228081.86	7534.31
(78)	T.O.W.	N: 445314.12 E: 228078.74	7535.87
(79)	T.O.W.	N: 445324.19 E: 228062.85	7535.87
(80)	Forebay	N: 445316.51 E: 228085.58	7533.87
(81)	Forebay	N: 445314.96 E: 228078.68	7533.87
(82)	Forebay	N: 445324.50 E: 228063.63	7533.87
(83)	Forebay	N: 445331.40 E: 228062.09	7533.87
(84)	Forebay	N: 445336.57 E: 228098.29	7533.63
(85)	Forebay	N: 445343.47 E: 228096.75	7533.59
(86)	Forebay	N: 445353.01 E: 228081.70	7533.59
(87)	Forebay	N: 445351.46 E: 228074.80	7533.63
(88)	Forebay Inner Notch	N: 445348.24 E: 228089.23	7533.53
(89)	T.C. Flow Line	N: 445348.94 E: 228089.67	7533.53
(90)	T.C. Flow Line	N: 445411.26 E: 228129.18	7533.16
(91)	T.C. Flow Line	N: 445513.14 E: 228193.76	7532.55
(92)	T.C. Flow Line	N: 445606.64 E: 228253.02	7532.00

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 12:24:38 PM

POND GRADING NOTES:

1. TWO SIGNS OF MINIMUM 3 SQ. FT. AREA, SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS WILL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND STATING, "WARNING- THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING.
2. SEE LANDSCAPE PLAN FOR RE-SEEDING AREAS ASSOCIATED WITH PERMANENT CONTROL MEASURE IMPROVEMENTS.
3. SEE GRADING & EROSION CONTROL PLANS FOR ANY EXISTING VEGETATION IN THE AREA. CLEARING AND GRUBBING WILL OCCUR PRIOR TO POND CONSTRUCTION AND THEREFORE, NO EXISTING VEGETATION WILL BE PRESENT.
4. ALL RIPRAP MUST BE INSTALLED PER DETAIL ON SHEET 2.

ABBREVIATIONS:

T.O.W. ~ TOP OF WALL
B.O.P. ~ BOTTOM OF POND
T.O.P. ~ TOP OF POND
T.C. ~TRICKLE CHANNEL
G.B. ~ GRADE BREAK

COLORADO LICENSED
RICHARD D. LYON
No. 53921
9/24/2026
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY: CMD	JOB DATE: 9/24/26
APPROVED: RDL	JOB NUMBER: 211030.240
CAD DATE: 8/19/2024	
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Pond_A_Grading	

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	9/24/2026	RDL	COUNTY P.A. AS-BUILT

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

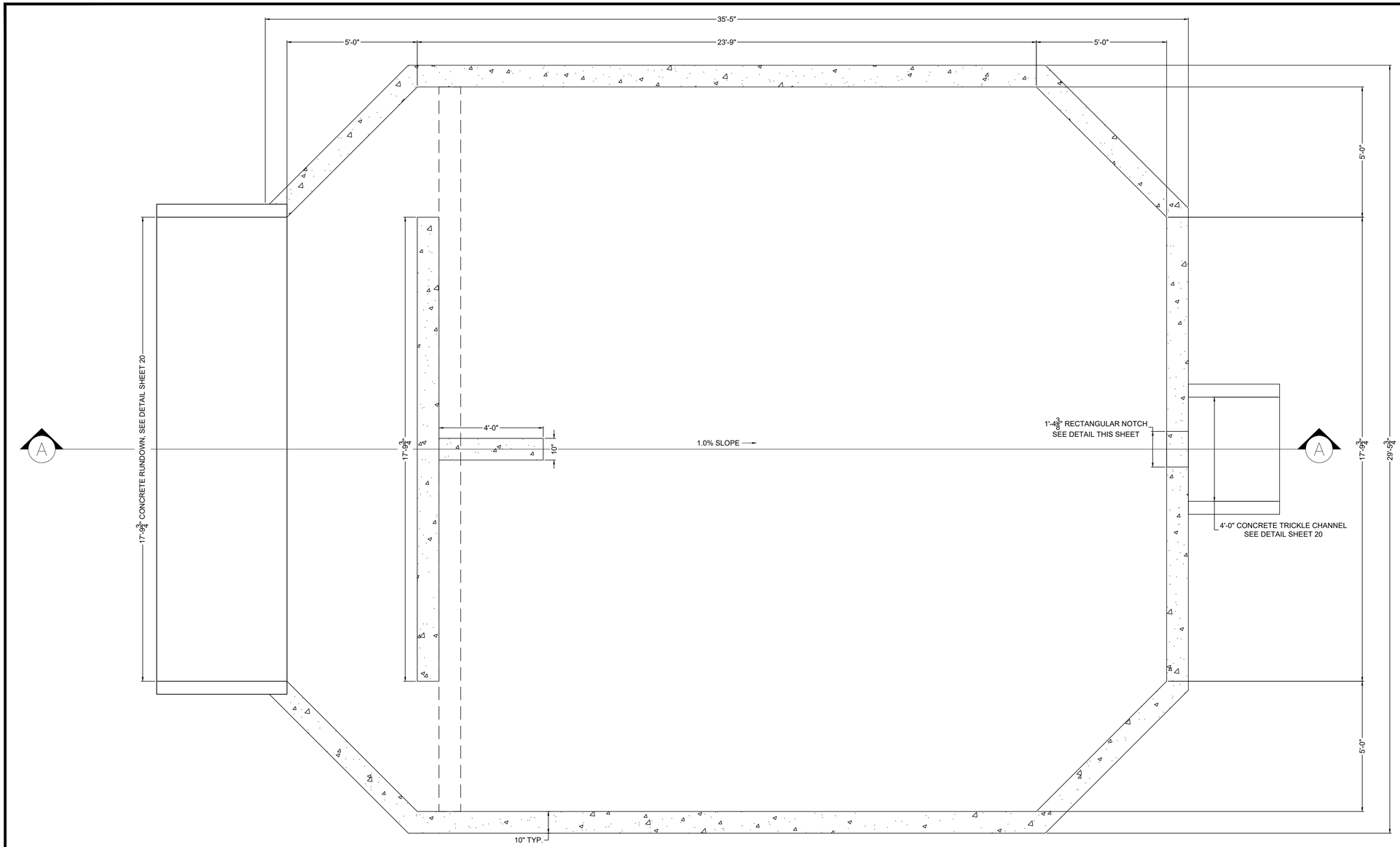
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

DRAINAGE DETAILS
POND A GRADING PLAN

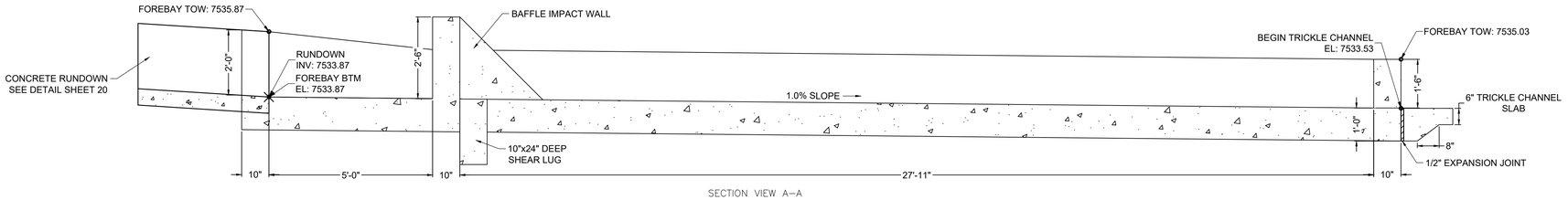
SHEET PND 22

HR GREEN Xrefs: xc-utli-030.202; xv-dsgn-1030; xv-row-1030; xv-utli-1030; xgr-1-dh01-1030; key_map; Maintenance_Road; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_A; xc-row-030.240; Swale_H-H; Swale_I-I; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; pond_grading_notes; Spillway_POND_A; xc-dsgn-240; xc-row-030.240; Swale_H-H; Swale_I-I; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_Section; 4.0_Trickle_Channel; Spillway_Profile; Spillway_Ponds; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4.0_Trickle_Channel; Spillway_POND_C; Rundown_Weir_Pond_B; Rundown_Weir_Pond_A; Spillway_POND_B; 2.0_Trickle_Channel; Spillway_POND_A; xc-utli-030.202; xv-dsgn-1030; xv-row-1030; xv-utli-1030; xgr-1-dh01-1030; key_map; Maintenance_Road; Riprap_Detail_Ponds; Spillway_Profile; Spillway_Section; 4

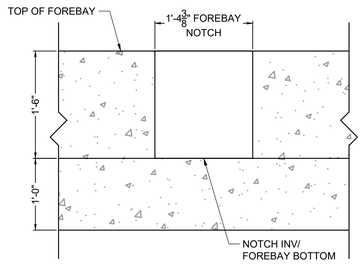
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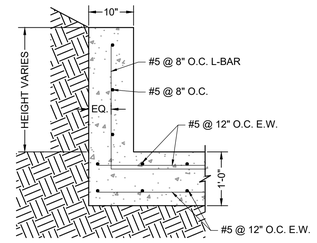
PLAN VIEW
FOREBAY A
SCALE: 1"=2'



SECTION VIEW A–A
FOREBAY A
SCALE: 1"=2'



FOREBAY A NOTCH DETAIL
SCALE: NTS



ELEVATION VIEW
FOREBAY REINFORCING DETAIL
SCALE: NTS

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 12:25:14 PM

COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

COLORADO LICENSED
Richard D. Lyon
53921
PROFESSIONAL ENGINEER

PCD FILE NO. SF2422

DRAWN BY: CMD JOB DATE: 10/31/24
APPROVED: RDL JOB NUMBER: 211030.240
CAD DATE: 8/22/2024
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Forebay_Details

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

POND DETAILS
POND A FOREBAY

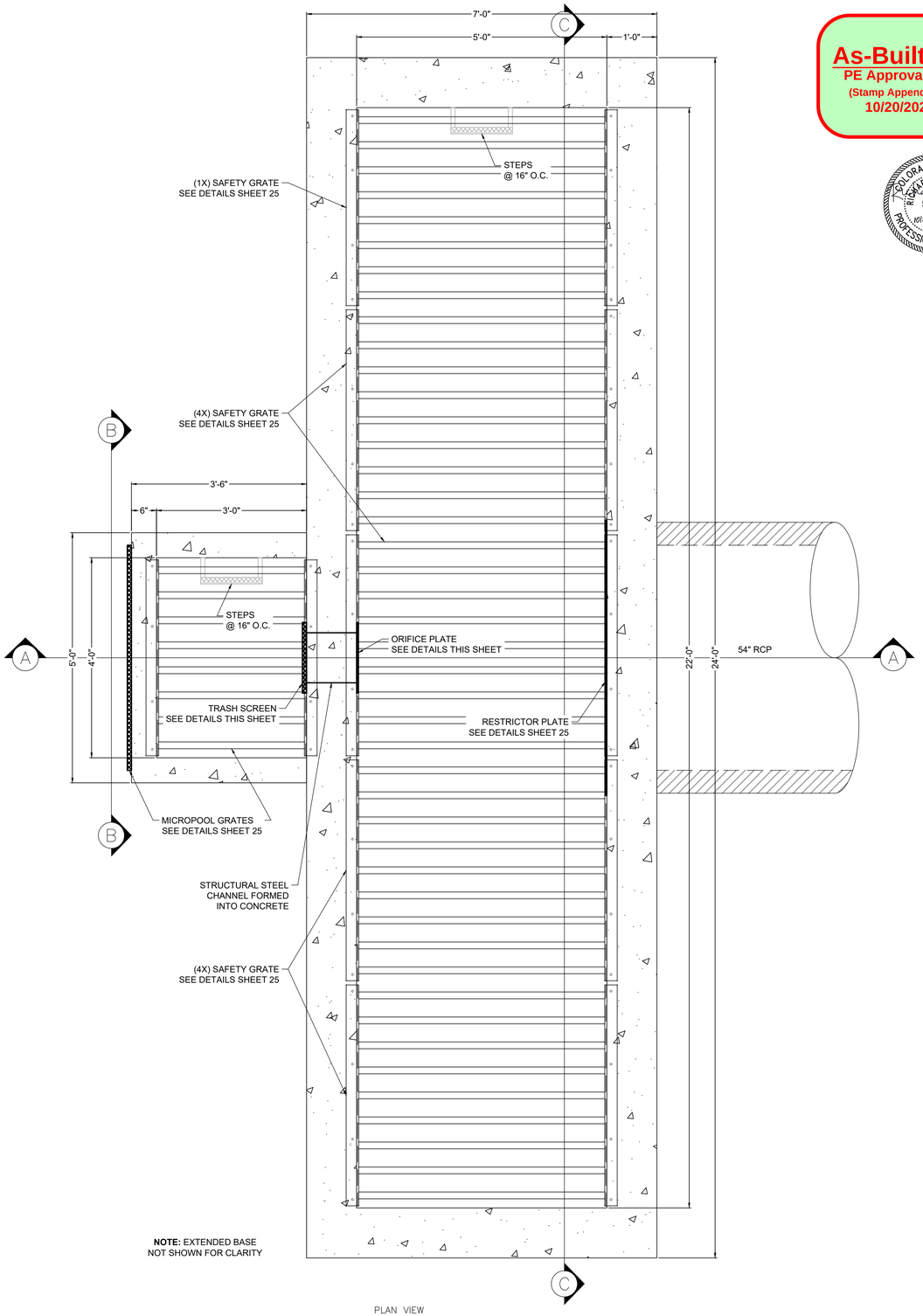
SHEET
PND
23

HR GREEN Xrefs: xgr-l-dh01-1030.240_forebay_notch_A, forebay_notch_B, forebay_notch_C

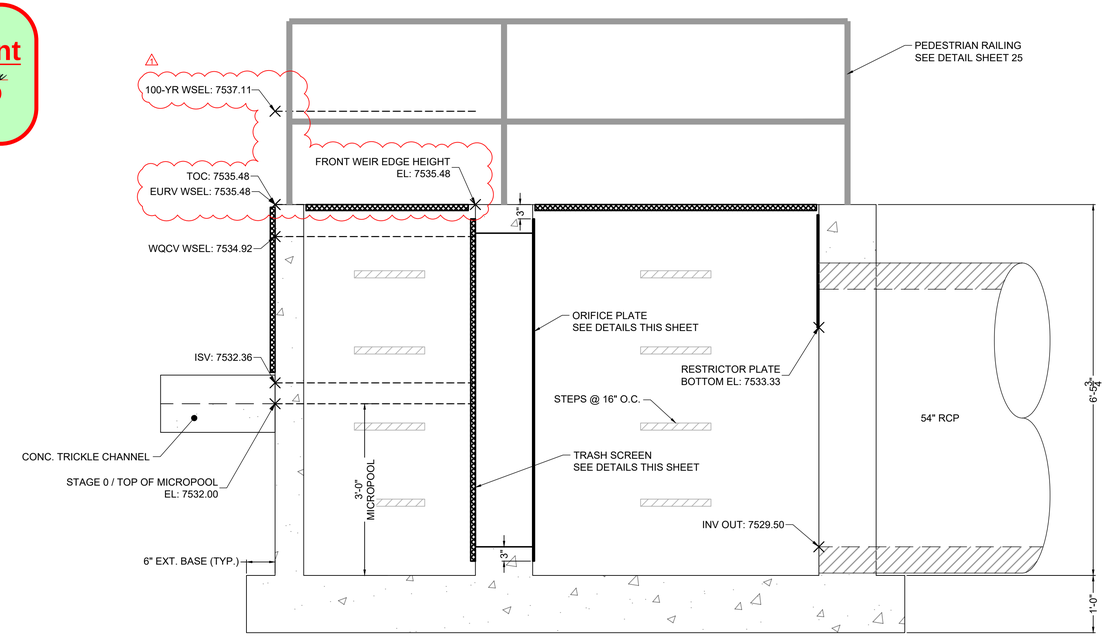
LYON, RICHIE, 10/20/2026 12:06 PM

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
10/20/2026 12:08:11 PM

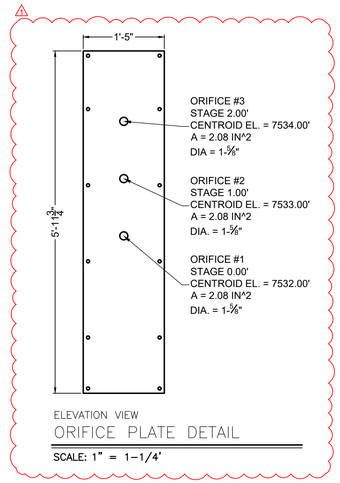
COLORADO LICENSED
RICHARD D. LYON
53921
10/20/2026
PROFESSIONAL ENGINEER



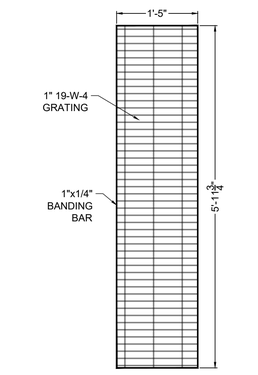
PLAN VIEW
POND A OUTLET STRUCTURE
SCALE: 1" = 1-1/4"



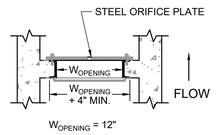
SECTION VIEW A-A
POND A OUTLET STRUCTURE
SCALE: 1" = 1-1/4"



ELEVATION VIEW
ORIFICE PLATE DETAIL
SCALE: 1" = 1-1/4"



ELEVATION VIEW
TRASH SCREEN DETAIL
SCALE: 1" = 1-1/4"



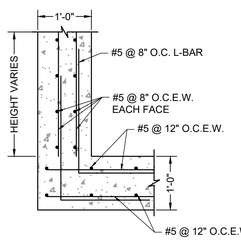
DETAIL
TRASH SCREEN & ORIFICE PLATE
SCALE: NTS

TRASH SCREEN NOTES:

1. TRASH SCREEN SHALL BE JOHNSON STAINLESS STEEL WELL SCREEN WITH #93 VEE WIRE OR APPROVED EQUIVALENT AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. TRASH SCREEN OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
3. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR TRASH SCREEN FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

ORIFICE PLATE NOTES:

1. PLATE TO BE 3/8" THICK GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE 16" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ORIFICE PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.



ELEVATION VIEW
OUTLET STRUCTURE REINFORCING DETAIL
SCALE: NTS

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	9/24/26
APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	8/22/2024		
CAD FILE:	J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Outlet_Structure_Details		

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	9/24/2026	RDL	COUNTY P.A. AS-BUILT

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

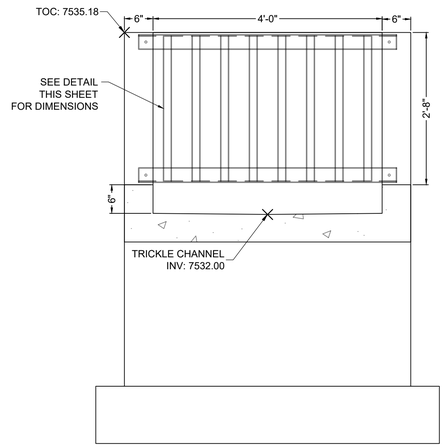
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

POND DETAILS
POND A OUTLET STRUCTURE

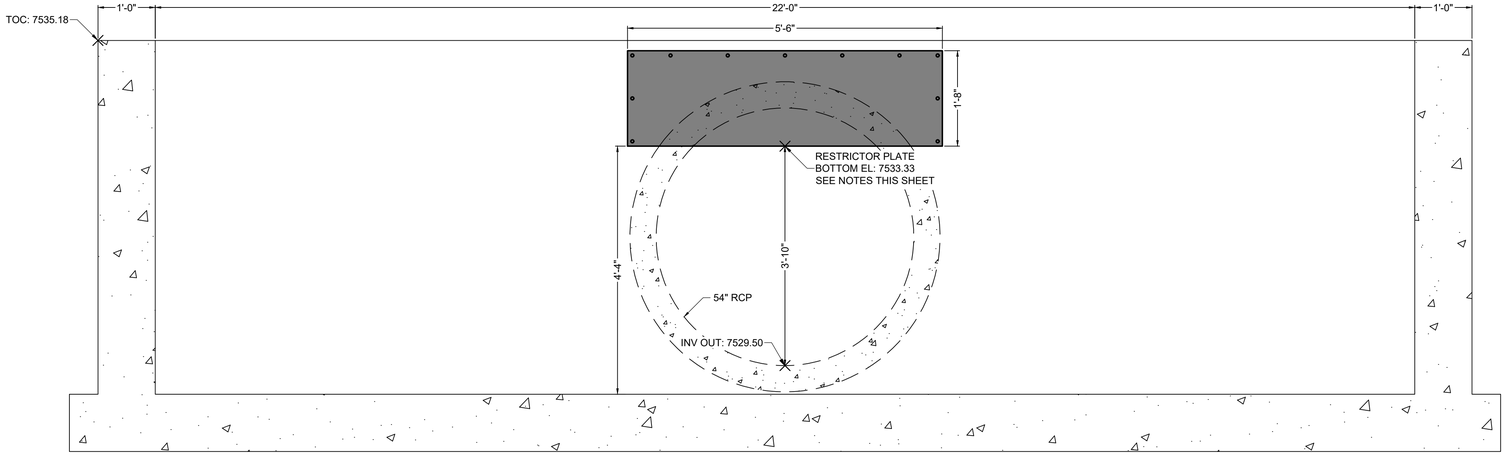
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HR GREEN Xrefs: xg1-dh01-1030.240

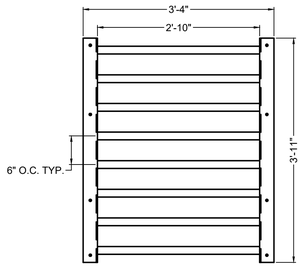
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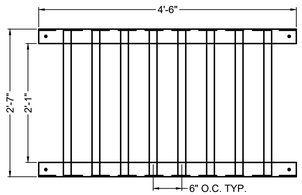
SECTION VIEW B–B
MICROPOOL FRONT FACE
SCALE: 1" = 1–1/4"



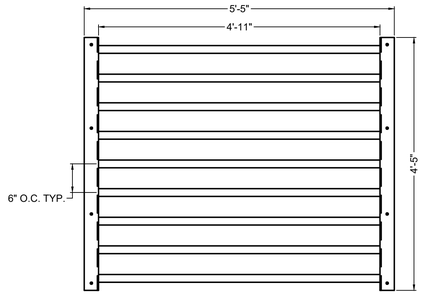
SECTION VIEW C–C
RESTRICTOR PLATE
SCALE: 1" = 1–1/4"



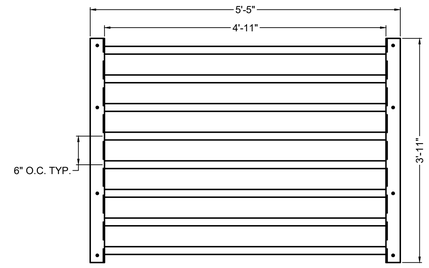
ELEVATION VIEW
MICROPOOL TOP GRATE
SCALE: 1" = 1–1/4"



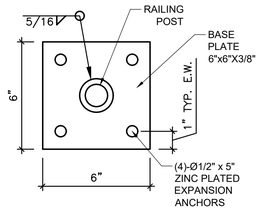
ELEVATION VIEW
MICROPOOL FRONT GRATE
SCALE: 1" = 1–1/4"



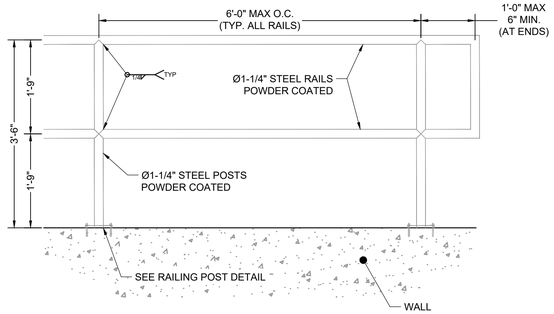
PLAN VIEW
SAFETY GRATE – QTY. 4
SCALE: 1" = 1–1/4"



PLAN VIEW
SAFETY GRATE – QTY. 1
SCALE: 1" = 1–1/4"



DETAIL VIEW
PEDESTRIAN RAILING POST
SCALE: 3/4" = 1'



DETAIL VIEW
PEDESTRIAN RAILING
SCALE: 3/4" = 1'

SAFETY GRATES/TRASH RACK NOTES:

5. TRASH RACKS AND SAFETY GRATES SHALL BE 1-¼" SCH. 40 STEEL PIPE, @ 6" CENTERS BOUNDED BY 3"x3"x1/4" ANGLE IRON. ALL GRATES SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE.
6. REMOVABLE GRATE SECTIONS SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE AND PROVIDED WITH HINGED & LOCKABLE OR BOLTABLE ACCESS PANELS AS SHOWN ON THE PLANS.
7. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
8. STRUCTURAL STEEL FOR GRATES SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06.
9. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

RESTRICTOR PLATE NOTES:

1. ¾" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR RESTRICTOR PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

TWO SIGNS SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS SHALL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND WITH THE BELOW MESSAGE.

WARNING:
THIS AREA IS A
STORMWATER
FACILITY AND
IS SUBJECT TO
PERIODIC
FLOODING

Minimum Sign Area: 3 sqft

POND WARNING SIGN DETAIL
SCALE: N.T.S.

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 12:29:50 PM

COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY: CMD JOB DATE: 11/26/24
APPROVED: RDL JOB NUMBER: 211030.240
CAD DATE: 8/22/2024
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Outlet_Structure_Details

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1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
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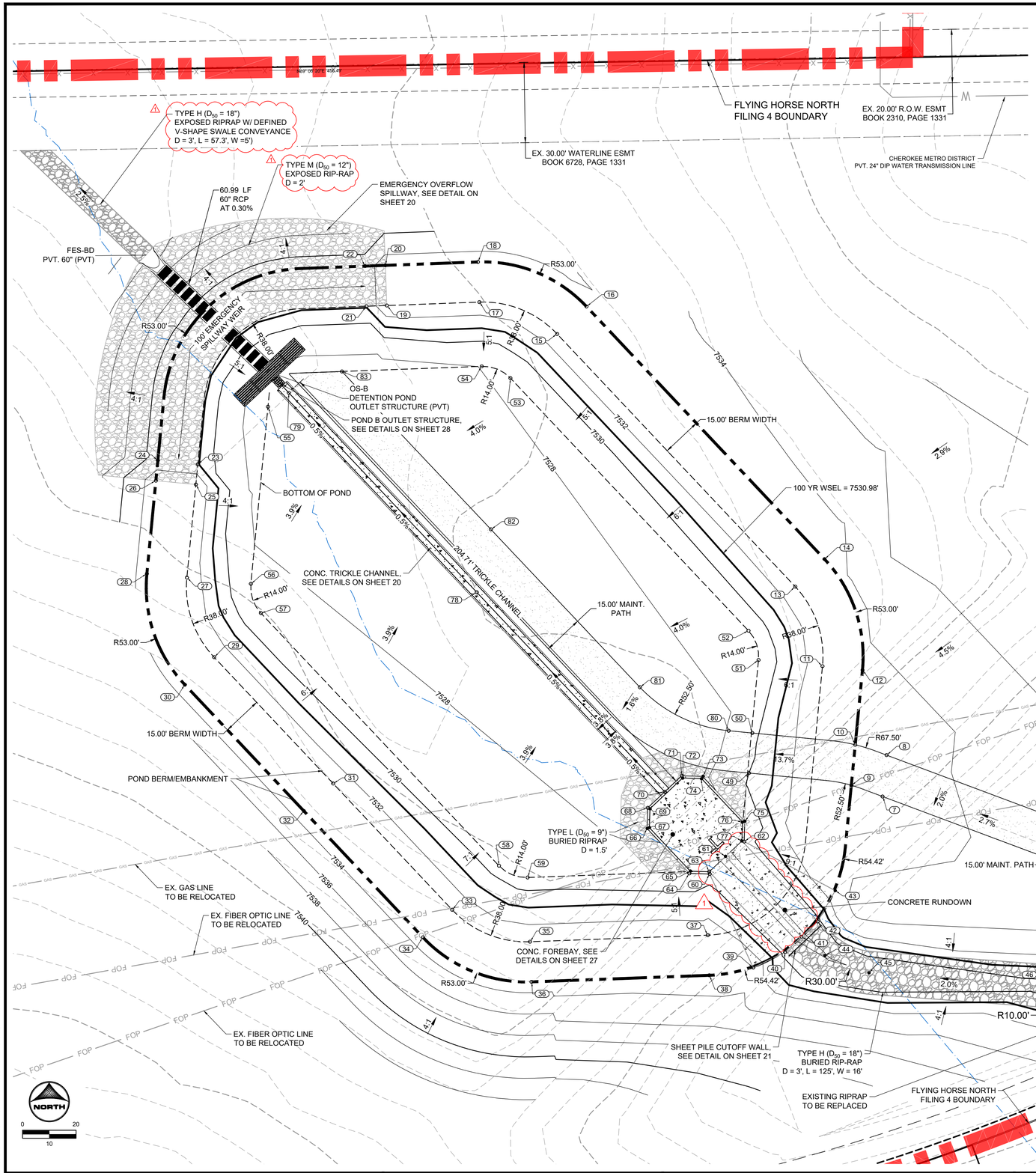
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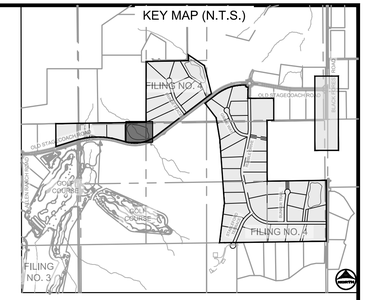
POND DETAILS
POND A OUTLET STRUCTURE DETAILS

SHEET PND 25

HR GREEN.Xrefs: xgr-i-dh01-1030.240

LYON, RICHIE, 9/24/2026 12:47 PM





POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
1	Begin Maint. Road	N: 446679.34 E: 224560.52	7537.73
2	Begin Maint. Road	N: 446686.30 E: 224573.81	7537.99
3	Maint. Road	N: 446717.58 E: 224540.68	7536.52
4	Maint. Road	N: 446724.49 E: 224554.00	7536.82
5	Maint. Road	N: 446740.24 E: 224511.60	7535.12
6	Maint. Road	N: 446756.63 E: 224517.73	7535.47
7	Maint. Road	N: 446770.08 E: 224438.98	7533.10
8	Maint. Road	N: 446785.53 E: 224440.48	7533.29
9	Maint. Road/T.O.P.	N: 446774.26 E: 224427.33	7532.77
10	Maint. Road/T.O.P.	N: 446789.39 E: 224428.79	7532.96
11	T.O.P.	N: 446818.74 E: 224416.56	7533.00
12	T.O.P.	N: 446817.29 E: 224431.49	7533.00
13	T.O.P.	N: 446848.45 E: 224406.39	7533.00
14	T.O.P.	N: 446858.74 E: 224417.31	7533.00
15	T.O.P.	N: 446942.80 E: 224317.50	7533.00
16	T.O.P.	N: 446953.08 E: 224328.42	7533.00
17	T.O.P.	N: 446954.71 E: 224288.45	7533.00
18	T.O.P.	N: 446969.70 E: 224287.90	7533.00
19	Spillway	N: 446953.44 E: 224253.90	7533.00
20	Spillway	N: 446968.43 E: 224253.35	7533.00
21	Spillway Crest	N: 446953.16 E: 224246.31	7531.10
22	Spillway Crest	N: 446968.15 E: 224245.76	7531.10

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
23	Spillway Crest	N: 446894.15 E: 224183.33	7531.10
24	Spillway Crest	N: 446895.59 E: 224168.40	7531.10
25	Spillway	N: 446886.59 E: 224182.60	7533.00
26	Spillway	N: 446888.03 E: 224167.67	7533.00
27	T.O.P.	N: 446851.82 E: 224179.24	7533.00
28	T.O.P.	N: 446853.26 E: 224164.31	7533.00
29	T.O.P.	N: 446822.11 E: 224189.40	7533.00
30	T.O.P.	N: 446811.82 E: 224178.48	7533.00
31	T.O.P.	N: 446774.93 E: 224233.85	7533.00
32	T.O.P.	N: 446764.65 E: 224222.93	7533.00
33	T.O.P.	N: 446727.76 E: 224278.29	7533.00
34	T.O.P.	N: 446717.47 E: 224267.37	7533.00
35	T.O.P.	N: 446715.84 E: 224307.35	7533.00
36	T.O.P.	N: 446700.85 E: 224307.90	7533.00
37	T.O.P.	N: 446718.29 E: 224373.74	7533.00
38	T.O.P.	N: 446703.30 E: 224374.29	7533.00
39	Edge of Rundown	N: 446706.19 E: 224390.69	7532.99
40	Rundown GB	N: 446711.95 E: 224402.61	7529.69
41	Rundown F.L.	N: 446717.68 E: 224408.69	7527.60
42	Rundown GB	N: 446723.41 E: 224414.77	7529.68
43	Edge of Rundown	N: 446734.92 E: 224421.31	7533.00
44	Swale F.L.	N: 446710.69 E: 224417.47	7527.82
45	Swale F.L.	N: 446704.24 E: 224433.94	7528.18
46	Swale F.L.	N: 446699.45 E: 224498.63	7529.48
47	Swale F.L.	N: 446693.50 E: 224507.04	7529.69
48	Swale F.L.	N: 446679.50 E: 224513.19	7530.00
49	Maint. Road/B.O.P.	N: 446778.84 E: 224389.11	7530.00
50	Maint. Road/B.O.P.	N: 446793.79 E: 224390.35	7529.57
51	B.O.P.	N: 446821.04 E: 224392.67	7528.80
52	B.O.P.	N: 446831.99 E: 224388.92	7528.94
53	B.O.P.	N: 446926.34 E: 224300.04	7528.29
54	B.O.P.	N: 446930.73 E: 224289.33	7528.04
55	B.O.P.	N: 446915.64 E: 224209.52	7526.28
56	B.O.P.	N: 446849.51 E: 224203.13	7528.48
57	B.O.P.	N: 446838.57 E: 224206.87	7528.73

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
58	B.O.P.	N: 446744.22 E: 224295.76	7529.38
59	B.O.P.	N: 446739.83 E: 224306.46	7529.24
60	Forebay Outer	N: 446741.13 E: 224374.43	7529.35
61	Rundown F.L.	N: 446747.74 E: 224380.37	7527.35
62	Forebay Outer	N: 446753.27 E: 224387.32	7529.35
63	Forebay Inner	N: 446742.02 E: 224374.28	7527.31
64	Forebay Outer	N: 446741.35 E: 224366.87	7528.73
65	Forebay Inner	N: 446742.22 E: 224367.26	7527.27
66	Forebay Outer	N: 446758.12 E: 224351.10	7528.31
67	Forebay Inner	N: 446758.45 E: 224351.97	7527.12
68	Forebay Outer	N: 446765.85 E: 224351.34	7528.57
69	Forebay Inner	N: 446765.48 E: 224352.18	7527.07
70	T.C. Flow Line	N: 446771.85 E: 224357.66	7527.02
71	Forebay Outer	N: 446777.79 E: 224364.02	7528.57
72	Forebay Inner	N: 446776.93 E: 224364.34	7527.07
73	Forebay Outer	N: 446777.66 E: 224372.00	7527.70
74	Forebay Inner	N: 446776.72 E: 224371.37	7527.12
75	Forebay Outer	N: 446760.84 E: 224387.55	7528.73
76	Forebay Inner	N: 446760.50 E: 224386.66	7527.27
77	Forebay Inner	N: 446753.47 E: 224386.45	7527.31
78	T.C. Flow Line	N: 446846.35 E: 224287.47	7526.51
79	T.C. Flow Line	N: 446920.85 E: 224217.28	7526.00
80	Maint. Road	N: 446794.64 E: 224381.53	7528.16
81	Maint. Road	N: 446810.89 E: 224348.36	7527.25
82	Maint. Road	N: 446869.85 E: 224292.75	7526.84
83	End Maint. Road	N: 446928.81 E: 224237.13	7526.92

POND GRADING NOTES:

1. TWO SIGNS OF MINIMUM 3 SQ. FT. AREA, SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS WILL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND STATING, "WARNING- THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING.
2. SEE LANDSCAPE PLAN FOR RE-SEEDING AREAS ASSOCIATED WITH PERMANENT CONTROL MEASURE IMPROVEMENTS.
3. SEE GRADING & EROSION CONTROL PLANS FOR ANY EXISTING VEGETATION IN THE AREA. CLEARING AND GRUBBING WILL OCCUR PRIOR TO POND CONSTRUCTION AND THEREFORE, NO EXISTING VEGETATION WILL BE PRESENT.
4. ALL RIPRAP MUST BE INSTALLED PER DETAIL ON SHEET 2.

ABBREVIATIONS:

T.O.W. ~ TOP OF WALL
B.O.P. ~ BOTTOM OF POND
T.O.P. ~ TOP OF POND
T.C. ~ TRICKLE CHANNEL
G.B. ~ GRADE BREAK

As-Built Document
PE Approval by: Richard D. Lyon
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COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

HR GREEN Xrefs: xc-utl-i030;202; xv-dsgn-1030; xv-row-1030; xv-utl-1030; xg-l-rd01-1030; key_map; Riprap_Detail; Spillway_Section; pond_grading_notes; xc-dsgn-240; xc-row-030;240

DRAWN BY: CMD
APPROVED: RDL
CAD DATE: 8/19/2024
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Pond_B_Grading
JOB DATE: 6/11/25
JOB NUMBER: 211030.240

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	9/24/2026	RDL	COUNTY P.A. AS-BUILT

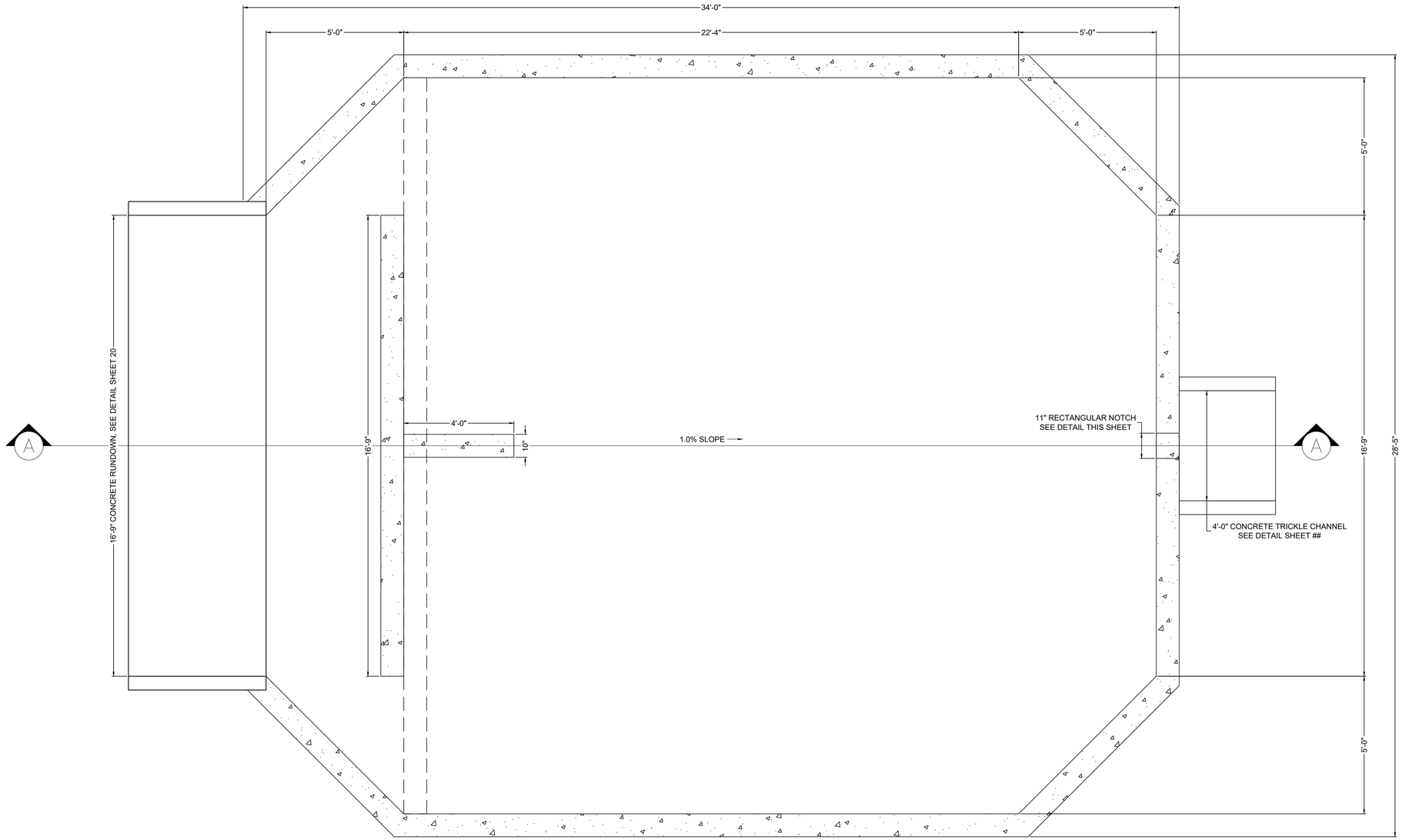
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

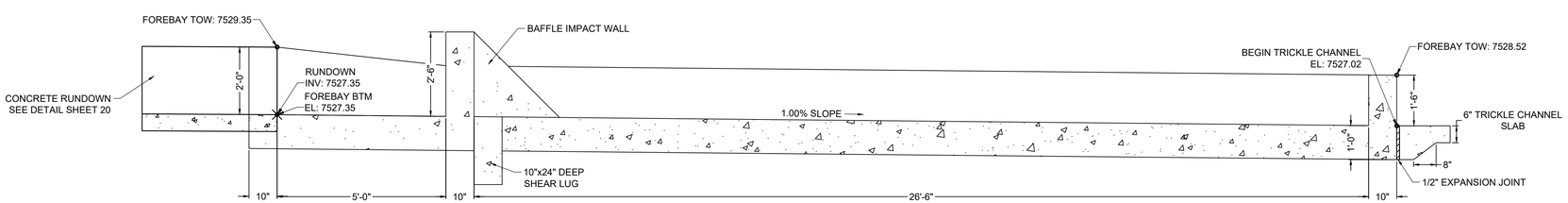
POND DETAILS
POND B GRADING PLAN

SHEET
PND
26

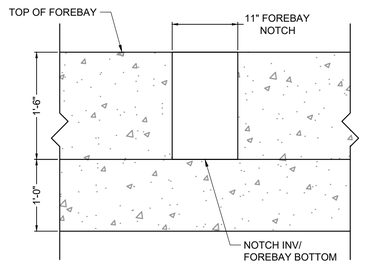
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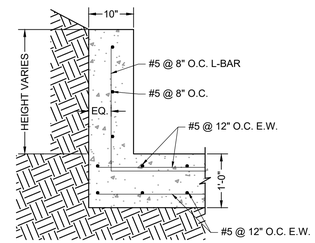
PLAN VIEW
FOREBAY B
SCALE: 1"=2'



SECTION VIEW A–A
FOREBAY B
SCALE: 1"=2'



FOREBAY B NOTCH DETAIL
SCALE: NTS



ELEVATION VIEW
FOREBAY REINFORCING DETAIL
SCALE: NTS

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
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COLORADO LICENSED
RICHARD D. LYON
No. 53921
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

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APPROVED: RDL	JOB NUMBER: 211030.240	IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.	
CAD DATE: 8/22/2024			
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Forebay_Details			

NO.	DATE	BY	REVISION DESCRIPTION

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HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

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PRI #2, LLC.
EL PASO COUNTY, CO

POND DETAILS
POND B FOREBAY

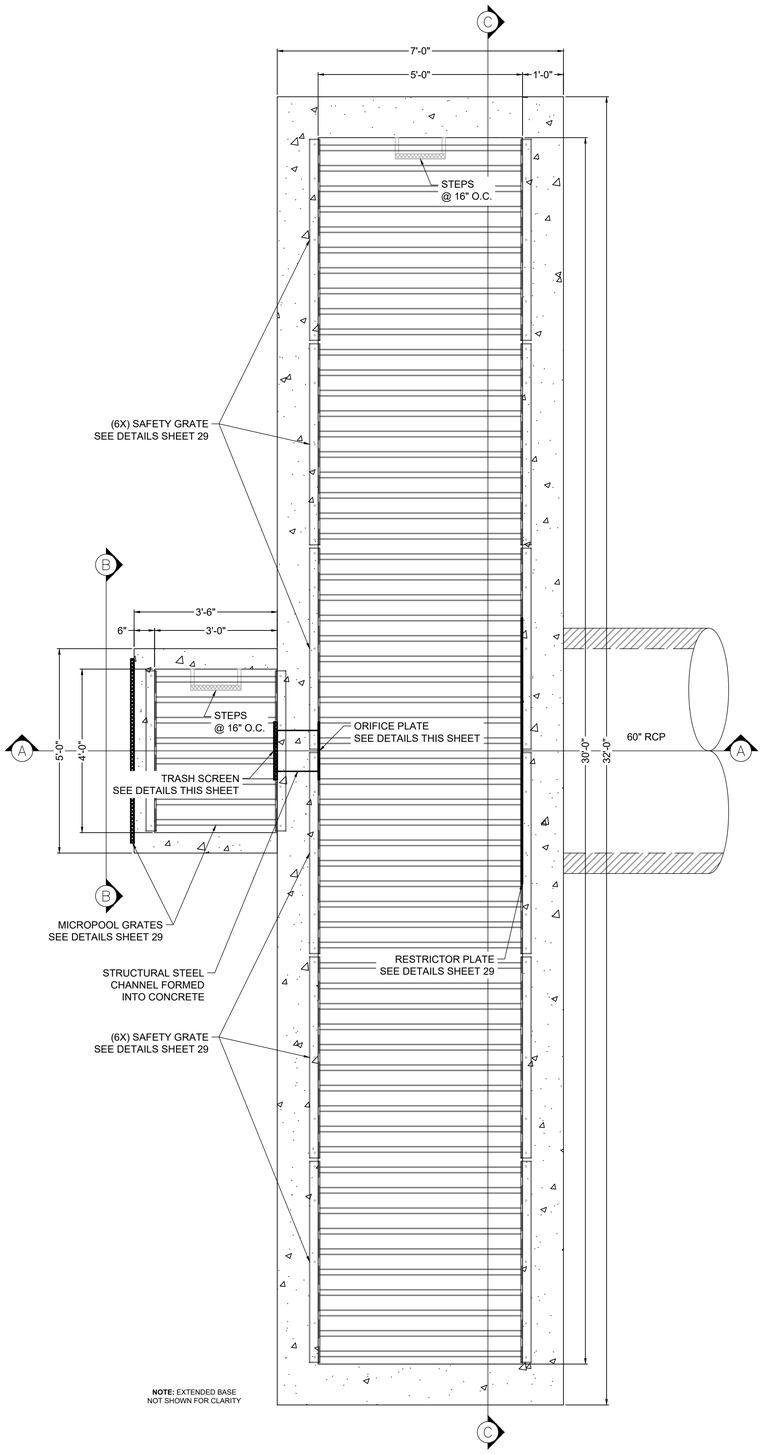
SHEET PND 27

HR GREEN Xrefs: xgl-1-dt01-1030.240; forebay_notch_A; forebay_notch_B; forebay_notch_C

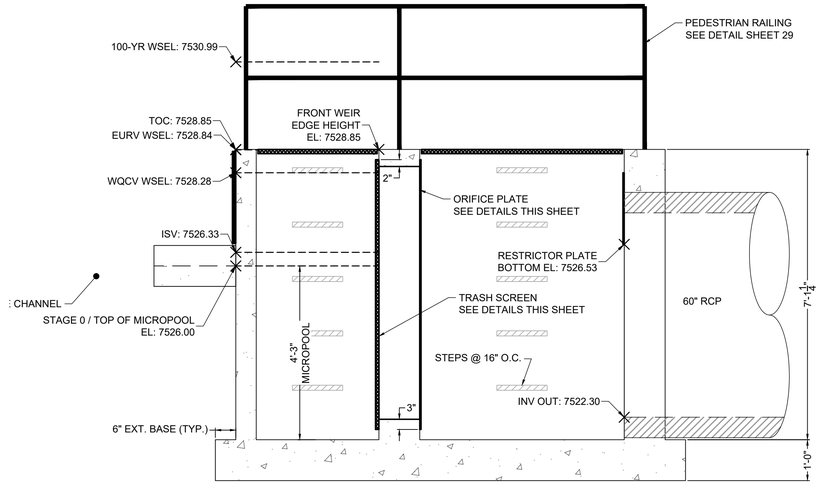
LYON, RICHIE, 9/24/2026 12:34 PM

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PE Approval by: Richard D. Lyon
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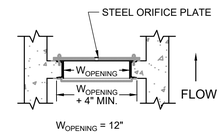




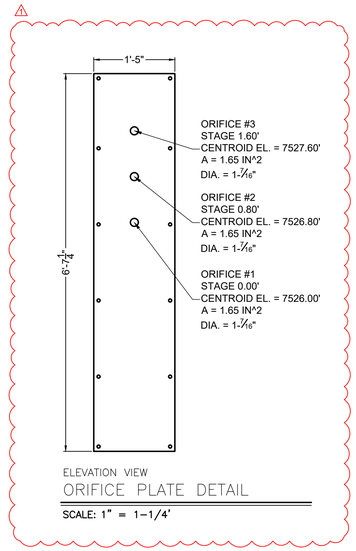
PLAN VIEW
POND B OUTLET STRUCTURE
SCALE: 1" = 1-3/4"



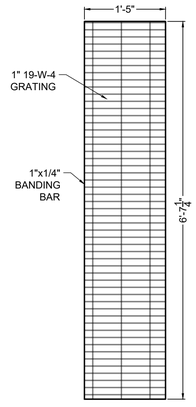
SECTION VIEW A-A
POND B OUTLET STRUCTURE
SCALE: 1" = 1-3/4"



DETAIL
TRASH SCREEN & ORIFICE PLATE
SCALE: NTS



ELEVATION VIEW
ORIFICE PLATE DETAIL
SCALE: 1" = 1-1/4"



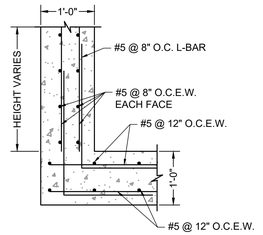
ELEVATION VIEW
TRASH SCREEN DETAIL
SCALE: 1" = 1-1/4"

TRASH SCREEN NOTES:

1. TRASH SCREEN SHALL BE JOHNSON STAINLESS STEEL WELL SCREEN WITH #93 VEE WIRE OR APPROVED EQUIVALENT AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. TRASH SCREEN OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
3. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR TRASH SCREEN FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

ORIFICE PLATE NOTES:

1. PLATE TO BE ½" THICK GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE 16" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ORIFICE PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.



ELEVATION VIEW
OUTLET STRUCTURE REINFORCING DETAIL
SCALE: NTS

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	9/24/26
APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	8/22/2024		
CAD FILE:	J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Outlet_Structure_Details		

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	9/24/2026	RDL	COUNTY P.A. AS-BUILT

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

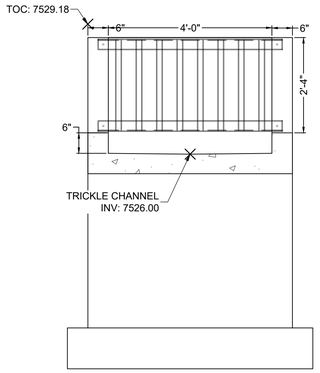
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

POND DETAILS
POND B OUTLET STRUCTURE

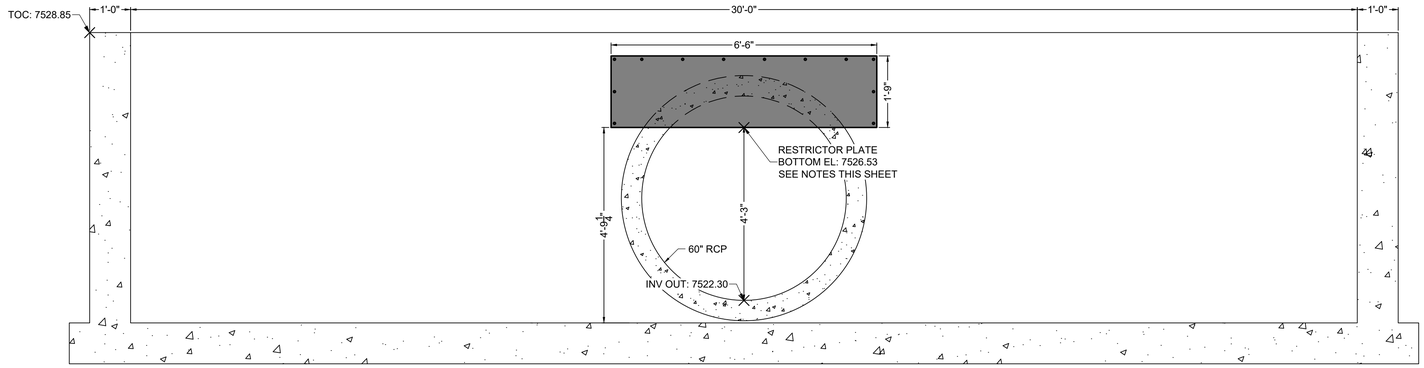
SHEET
PND
28

HR GREEN Xrefs: xgl-1-dh01-1030.240

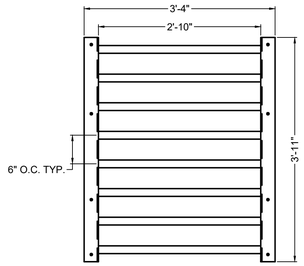
DOMBROWSKI, COLIN, 12/5/2024 4:57 PM



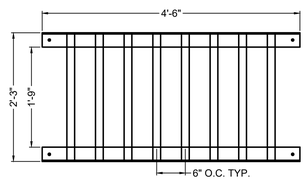
SECTION VIEW B–B
FRONT FACE
SCALE: 1" = 1–1/4'



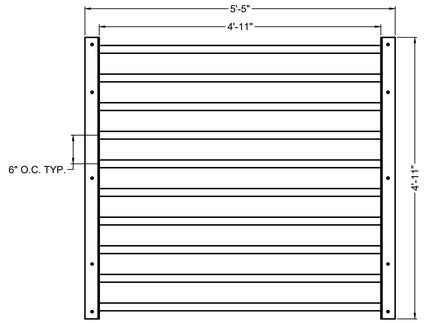
SECTION VIEW C–C
RESTRICTOR PLATE
SCALE: 1" = 1–1/4'



ELEVATION VIEW
MICROPOOL TOP GRATE
SCALE: 1" = 1–1/4'



ELEVATION VIEW
MICROPOOL FRONT GRATE
SCALE: 1" = 1–1/4'



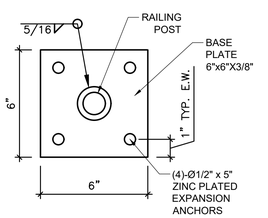
PLAN VIEW
SAFETY GRATE – QTY. 6
SCALE: 1" = 1–1/4'

TWO SIGNS SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS SHALL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND WITH THE BELOW MESSAGE.

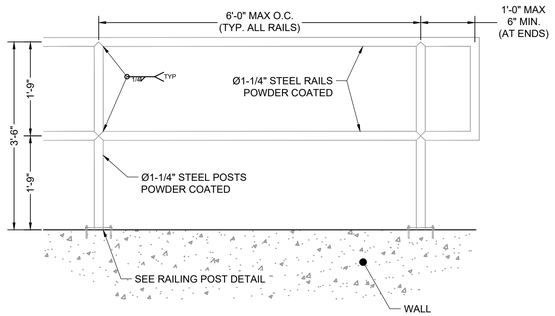
WARNING:
THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING

Minimum Sign Area: 3 sqft

POND WARNING SIGN DETAIL
SCALE: N.T.S.



DETAIL VIEW
PEDESTRIAN RAILING POST
SCALE: 3/4" = 1'



DETAIL VIEW
PEDESTRIAN RAILING
SCALE: 3/4" = 1'

SAFETY GRATES/TRASH RACK NOTES:

5. TRASH RACKS AND SAFETY GRATES SHALL BE 1-¼" SCH. 40 STEEL PIPE, @ 6" CENTERS BOUNDED BY 3"x3"x1/4" ANGLE IRON. ALL GRATES SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE.
6. REMOVABLE GRATE SECTIONS SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE AND PROVIDED WITH HINGED & LOCKABLE OR BOLTABLE ACCESS PANELS AS SHOWN ON THE PLANS.
7. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
8. STRUCTURAL STEEL FOR GRATES SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06.
9. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

RESTRICTOR PLATE NOTES:

1. ⅜" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR RESTRICTOR PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

As-Built Document
PE Approval by: Richard D Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 12:48:23 PM

COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY: CMD JOB DATE: 11/26/24
APPROVED: RDL JOB NUMBER: 211030.240
CAD DATE: 8/22/2024
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Outlet_Structure_Details
BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

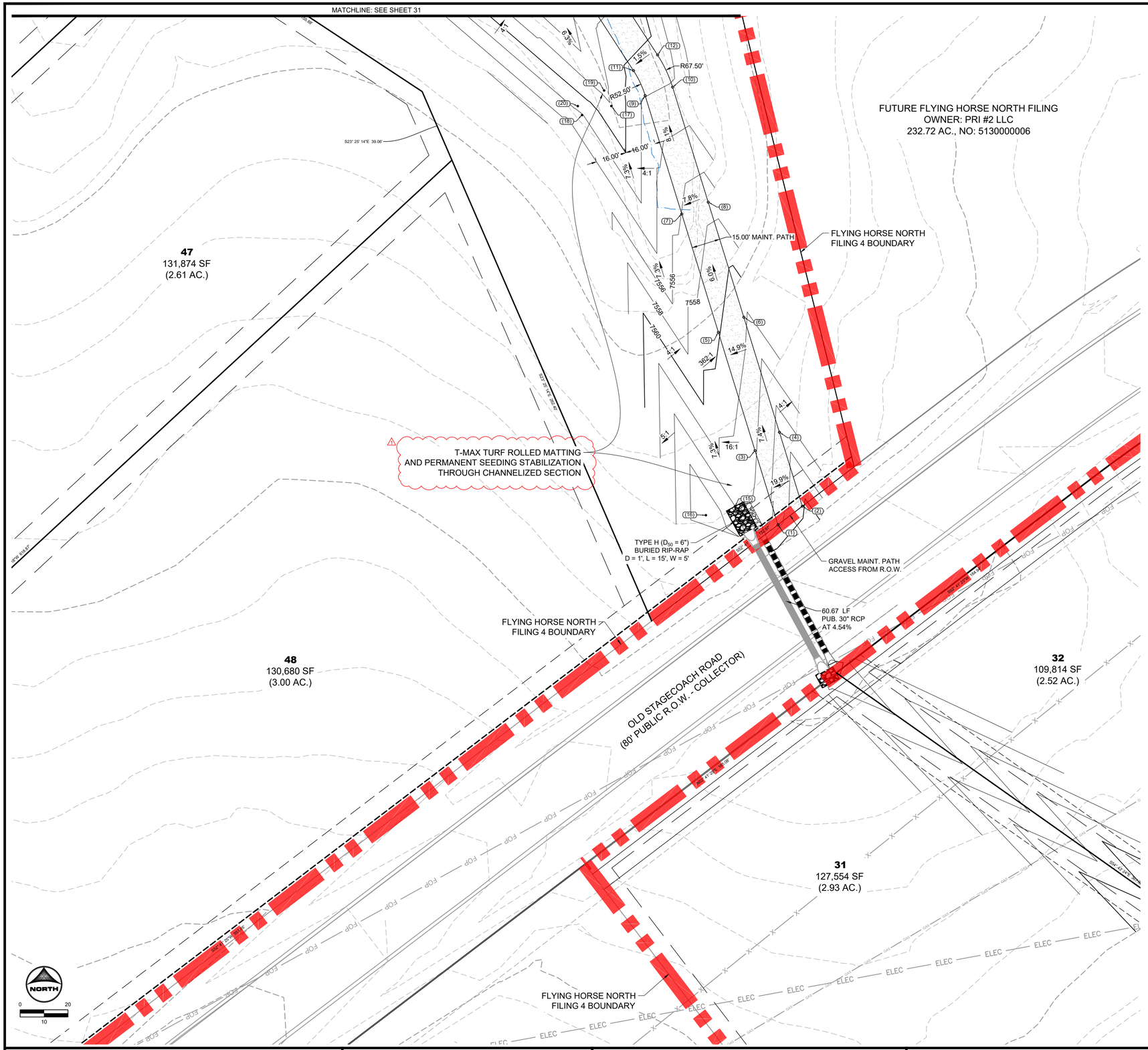
POND DETAILS
POND B OUTLET STRUCTURE DETAILS

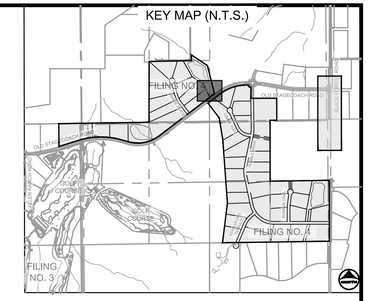
SHEET PND 29

HR GREEN Xrefs: xgl-1-dh01-1030.240

LYON, RICHIE, 9/24/2026 12:52 PM

MATCHLINE: SEE SHEET 31





POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
(1)	Begin Maint. Road	N: 447637.89 E: 225836.62	7567.58
(2)	Begin Maint. Road	N: 447647.57 E: 225849.33	7569.80
(3)	Maint. Road	N: 447676.64 E: 225824.63	7563.81
(4)	Maint. Road	N: 447686.22 E: 225837.37	7566.56
(5)	Maint. Road	N: 447738.48 E: 225805.51	7559.87
(6)	Maint. Road	N: 447746.34 E: 225818.78	7561.63
(7)	Maint. Road	N: 447800.31 E: 225786.38	7556.04
(8)	Maint. Road	N: 447806.46 E: 225800.18	7557.18
(9)	Maint. Road	N: 447862.14 E: 225767.26	7551.95
(10)	Maint. Road	N: 447866.57 E: 225781.59	7552.25
(11)	Maint. Road	N: 447875.20 E: 225761.14	7550.45
(12)	Maint. Road	N: 447883.36 E: 225773.73	7550.74
(13)	Maint. Road	N: 447930.96 E: 225724.97	7545.24
(14)	Maint. Road	N: 447939.12 E: 225737.55	7545.52
(15)	Swale FL	N: 447647.46 E: 225814.09	7564.05
(16)	Edge of Swale	N: 447642.88 E: 225798.95	7568.00
(17)	Swale FL	N: 447856.68 E: 225749.58	7548.15
(18)	Edge of Swale	N: 447851.95 E: 225734.29	7552.15
(19)	Swale FL	N: 447864.83 E: 225745.82	7547.49
(20)	Edge of Swale	N: 447856.66 E: 225732.06	7551.47

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 12:52:46 PM

COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

POND GRADING NOTES:

1. TWO SIGNS OF MINIMUM 3 SQ. FT. AREA, SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS WILL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND STATING, "WARNING- THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING.
2. SEE LANDSCAPE PLAN FOR RE-SEEDING AREAS ASSOCIATED WITH PERMANENT CONTROL MEASURE IMPROVEMENTS.
3. SEE GRADING & EROSION CONTROL PLANS FOR ANY EXISTING VEGETATION IN THE AREA. CLEARING AND GRUBBING WILL OCCUR PRIOR TO POND CONSTRUCTION AND THEREFORE, NO EXISTING VEGETATION WILL BE PRESENT.
4. ALL RIPRAP MUST BE INSTALLED PER DETAIL ON SHEET 2.

ABBREVIATIONS:

T.O.W. ~ TOP OF WALL
B.O.P. ~ BOTTOM OF POND
T.O.P. ~ TOP OF POND
T.C. ~ TRICKLE CHANNEL
G.B. ~ GRADE BREAK

PCD FILE NO.: SF2422

DRAWN BY: CMD	JOB DATE: 12/5/24	BAR IS ONE INCH ON OFFICIAL DRAWINGS.	
APPROVED: RDL	JOB NUMBER: 211030.240	0 1"	
CAD DATE: 8/19/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.	
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Pond_C_Grading			

NO.	DATE	BY	REVISION DESCRIPTION
1	9/24/2026	RDL	COUNTY P.A. AS-BUILT

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

POND DETAILS
POND C GRADING PLAN

SHEET
PND
30

HR GREEN Xrefs: xc-dti-030;202; xv-dsgn-1030; xv-row-1030; xv-dti-1030; xgr-1-dh01-1030; key_map; Riprap_Detail; Spillway_Section; pond_grading_notes; xc-dsgn-240; xc-row-030;240

LYON, RICHIE, 9/24/2026 12:58 PM

UNPLATTED
OWNER: ALAN GREAVES
26.40 AC., NO: 5100000502

FUTURE FLYING HORSE NORTH FILING
OWNER: PRI #2 LLC
232.72 AC., NO: 5130000006

TYPE M (D_{50}= 12")
EXPOSED RIPRAP
D = 2', L = 25', W = 3'

FES-CD
PRIV. 36" (PVT)

46.20 LF
PUB. 36" RCP
AT 0.50%

OS-C
DETENTION POND
OUTLET STRUCTURE (PVT)

TYPE M (D_{50}= 12")
EXPOSED
RIPRAP
D = 2'

EMERGENCY OVERFLOW
SPILLWAY, SEE DETAIL ON
SHEET 20

53.00' EMERGENCY
SPILLWAY WEIR

FLYING HORSE NORTH
FILING 4 BOUNDARY

EX. FENCE TO REMAIN

POND C OUTLET STRUCTURE,
SEE DETAILS ON SHEET 33

15.00' BERM WIDTH

WQCV = 7532.24'

EURV = 7532.62'

100 YR WSEL = 7533.86'

BOTTOM OF POND

CONC. TRICKLE CHANNEL,
SEE DETAILS ON SHEET 20

TYPE L (D_{50}= 9")
BURIED RIPRAP
D = 1.5'

CONC. FOREBAY,
SEE DETAILS ON SHEET 32

POND BERM/EMBANKMENT

CONCRETE RUNDOWN

TYPE VH BURIED
SOIL RIP-RAP PAD, D_{50} = 9"
L = 20', W = 18' (VARIES), D=12"

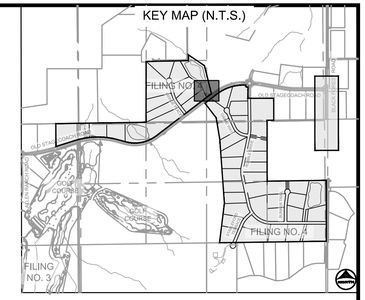
SHEET PILE CUTOFF WALL,
SEE DETAIL ON SHEET 21

45
129,320 SF
(2.97 AC.)

46
109,992 SF
(2.53 AC.)

47
113,874 SF
(2.61 AC.)

MATCHLINE: SEE SHEET 30



POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
20	Maint. Road/TOP	N: 448008.13 E: 225674.90	7538.03
21	Maint. Road/TOP	N: 448020.80 E: 225666.68	7538.00
22	Maint. Road/TOP	N: 448018.95 E: 225685.76	7538.05
23	Maint. Road/TOP	N: 448033.04 E: 225676.62	7538.00
24	TOP	N: 448084.00 E: 225692.69	7538.00
25	TOP	N: 448077.43 E: 225679.20	7538.00
26	TOP	N: 448226.26 E: 225623.41	7538.00
27	TOP	N: 448219.70 E: 225609.93	7538.00
28	TOP	N: 448267.00 E: 225593.69	7538.00
29	TOP	N: 448256.16 E: 225583.32	7538.00
30	TOP	N: 448330.17 E: 225527.65	7538.00
31	TOP	N: 448319.33 E: 225517.28	7538.00
32	Spillway	N: 448355.94 E: 225461.16	7536.49
33	Spillway	N: 448340.95 E: 225461.60	7538.00
34	Spillway Crest	N: 448355.25 E: 225451.84	7536.30
35	Spillway Crest	N: 448340.36 E: 225453.62	7536.00
36	Spillway Crest	N: 448338.14 E: 225395.00	7536.25
37	Spillway Crest	N: 448325.33 E: 225402.85	7536.00
38	Spillway	N: 448333.22 E: 225387.28	7536.39
39	Spillway	N: 448321.07 E: 225396.07	7538.00
40	TOP	N: 448238.32 E: 225366.68	7538.00
41	TOP	N: 448245.70 E: 225379.74	7538.00
42	TOP	N: 448147.23 E: 225418.11	7538.00
43	TOP	N: 448157.58 E: 225429.53	7537.99
44	TOP	N: 448098.18 E: 225463.87	7538.00
45	TOP	N: 448110.70 E: 225472.13	7538.00
46	TOP	N: 448005.60 E: 225604.16	7538.00
47	TOP	N: 448018.12 E: 225612.42	7538.00
48	TOP/Edge of Swale	N: 447994.87 E: 225649.93	7538.81
49	Rundown TOW	N: 447997.86 E: 225660.87	7539.00
50	Rundown BOW	N: 447998.20 E: 225661.35	7537.50
51	Rundown BOW	N: 448003.74 E: 225668.48	7537.50
52	Rundown TOW	N: 448004.05 E: 225668.88	7539.00

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
53	BOP/Rundown TOW	N: 448056.19 E: 225628.34	7533.24
54	Maint. Road/BOP	N: 448070.90 E: 225632.34	7533.41
55	Maint. Road/BOP	N: 448099.51 E: 225622.87	7532.98
56	BOP	N: 448207.65 E: 225585.34	7533.41
57	BOP	N: 448249.49 E: 225558.47	7533.34
58	BOP	N: 448303.43 E: 225502.07	7532.50
59	BOP	N: 448316.76 E: 225447.81	7531.35
60	BOP	N: 448308.79 E: 225420.25	7531.34
61	BOP	N: 448256.51 E: 225398.90	7532.83
62	BOP	N: 448165.42 E: 225450.33	7533.92
63	BOP	N: 448129.02 E: 225484.22	7534.00
64	BOP	N: 448051.70 E: 225601.48	7532.56
65	BOP/Rundown TOW	N: 448050.00 E: 225620.35	7533.24
66	Forebay Outer	N: 448050.85 E: 225619.78	7533.16
67	Forebay Inner	N: 448051.80 E: 225619.67	7531.66
68	Forebay Outer	N: 448051.80 E: 225612.24	7533.22
69	Forebay Inner	N: 448052.67 E: 225612.73	7531.62
70	Forebay Outer	N: 448061.95 E: 225604.34	7532.58
71	Forebay Inner	N: 448062.21 E: 225605.32	7531.49
72	Forebay Outer	N: 448069.65 E: 225605.31	7532.19
73	Forebay Inner	N: 448069.15 E: 225606.19	7531.46
74	Forebay Outer	N: 448075.67 E: 225613.06	7532.19
75	Forebay Inner	N: 448074.70 E: 225613.33	7531.46
76	Forebay Outer	N: 448074.71 E: 225620.76	7532.58
77	Forebay Inner	N: 448073.83 E: 225620.26	7531.49
78	Forebay Outer	N: 448064.56 E: 225628.65	7533.22
79	Forebay Inner	N: 448064.29 E: 225627.68	7531.62
80	Forebay Outer	N: 448057.01 E: 225627.71	7533.16
81	Forebay Inner	N: 448057.35 E: 225626.81	7531.66
82	TC Flow Line	N: 448072.66 E: 225609.18	7531.43
83	TC Flow Line	N: 448186.26 E: 225520.88	7530.71
84	TOP	N: 448281.82 E: 225446.60	7530.11
85	TC Flow Line	N: 448301.23 E: 225437.29	7530.00

As-Built Document
PE Approval by: Richard D Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 12:58:43 PM

POND GRADING NOTES:

1. TWO SIGNS OF MINIMUM 3 SQ. FT. AREA, SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS WILL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND STATING, "WARNING- THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING.
2. SEE LANDSCAPE PLAN FOR RE-SEEDING AREAS ASSOCIATED WITH PERMANENT CONTROL MEASURE IMPROVEMENTS.
3. SEE GRADING & EROSION CONTROL PLANS FOR ANY EXISTING VEGETATION IN THE AREA. CLEARING AND GRUBBING WILL OCCUR PRIOR TO POND CONSTRUCTION AND THEREFORE, NO EXISTING VEGETATION WILL BE PRESENT.
4. ALL RIPRAP MUST BE INSTALLED PER DETAIL ON SHEET 2.

ABBREVIATIONS:

T.O.W. ~ TOP OF WALL
B.O.P. ~ BOTTOM OF POND
T.O.P. ~ TOP OF POND
T.C. ~ TRICKLE CHANNEL
G.B. ~ GRADE BREAK

COLORADO LICENSED
RICHARD D. LYON
No. 53927
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

HR GREEN Xrefs: xc-utli-030 202; xv-dsgn-1030; xv-cow-1030; xv-utli-1030; xg-l-dh01-1030; key_map; Riprap_Detail; Spillway_Section; pond_grading_notes; xc-dsgn-240; xc-row-030.240

DRAWN BY: CMD
APPROVED: RDL
CAD DATE: 8/19/2024
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Pond_C_Grading
JOB DATE: 12/5/24
JOB NUMBER: 211030.240

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	9/24/2026	RDL	COUNTY P.A. AS-BUILT

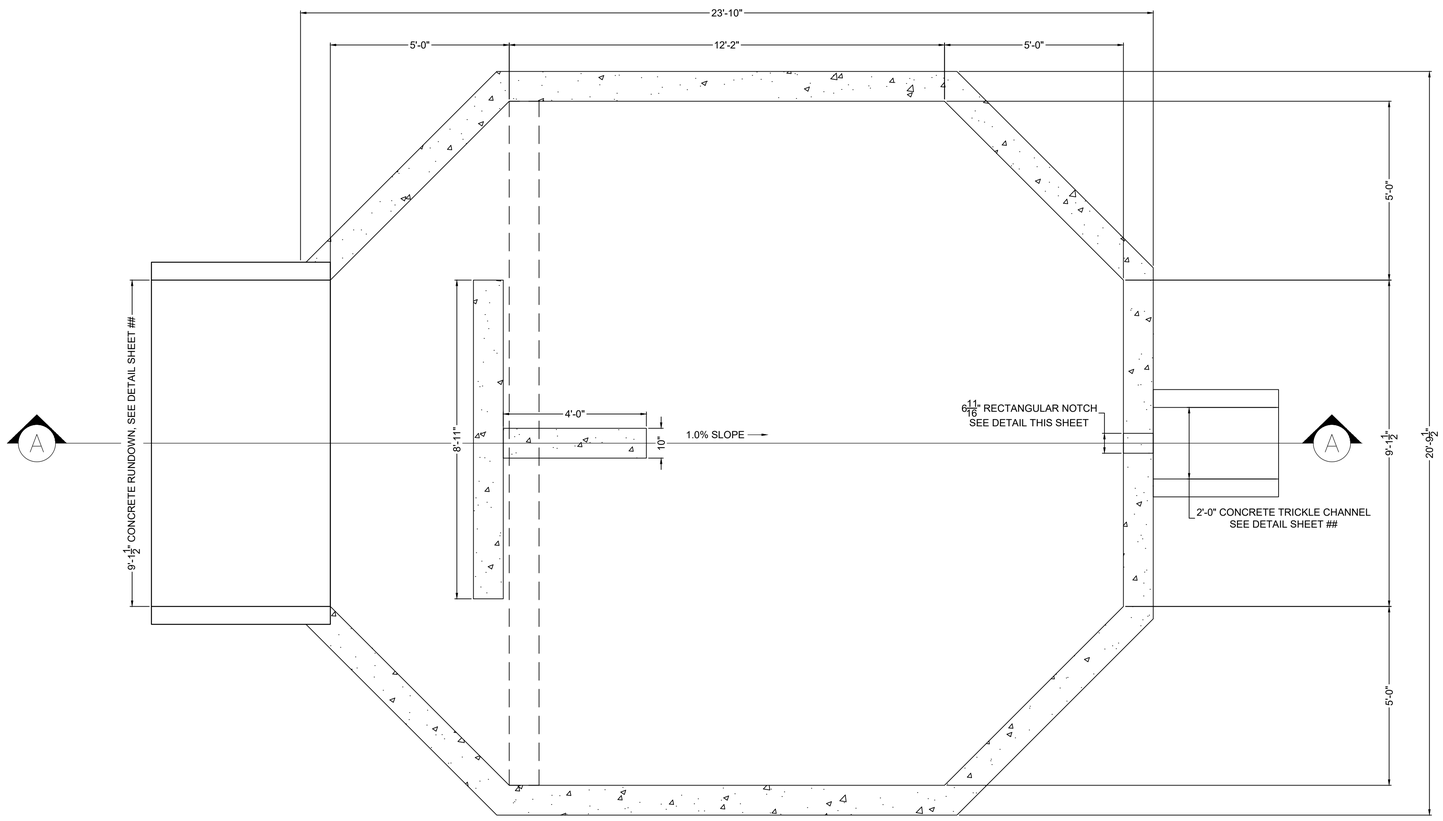
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
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FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

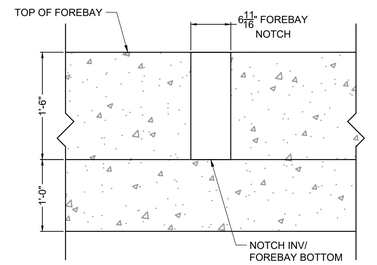
POND DETAILS
POND C GRADING PLAN

SHEET PND 31

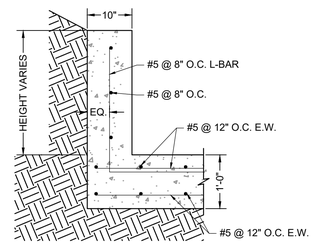
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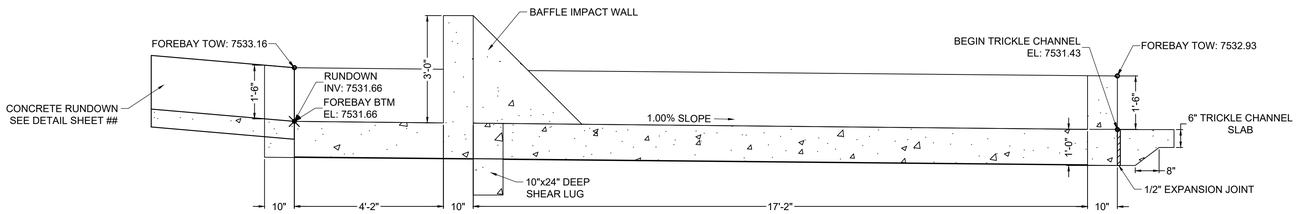
PLAN VIEW
FOREBAY C
SCALE: 1"=2'



FOREBAY C NOTCH DETAIL
SCALE: NTS



ELEVATION VIEW
FOREBAY REINFORCING DETAIL
SCALE: NTS



SECTION VIEW A–A
FOREBAY C
SCALE: 1"=2'

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
10/20/2026 12:03:19 PM

COLORADO LICENSED
RICHARD D. LYON
53921
10/20/2026
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

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APPROVED: RDL	JOB NUMBER: 211030.240	0 1"	
CAD DATE: 8/22/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.	
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NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

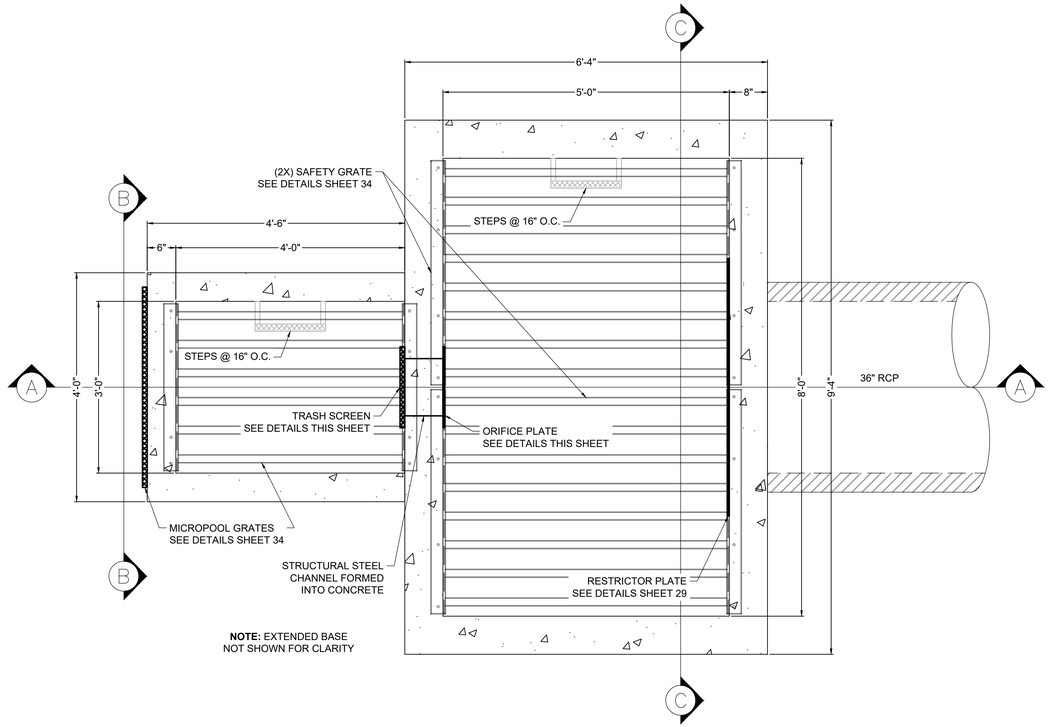
FLYING HORSE NORTH FILING 4
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EL PASO COUNTY, CO

POND DETAILS
POND C FOREBAY

SHEET PND 32

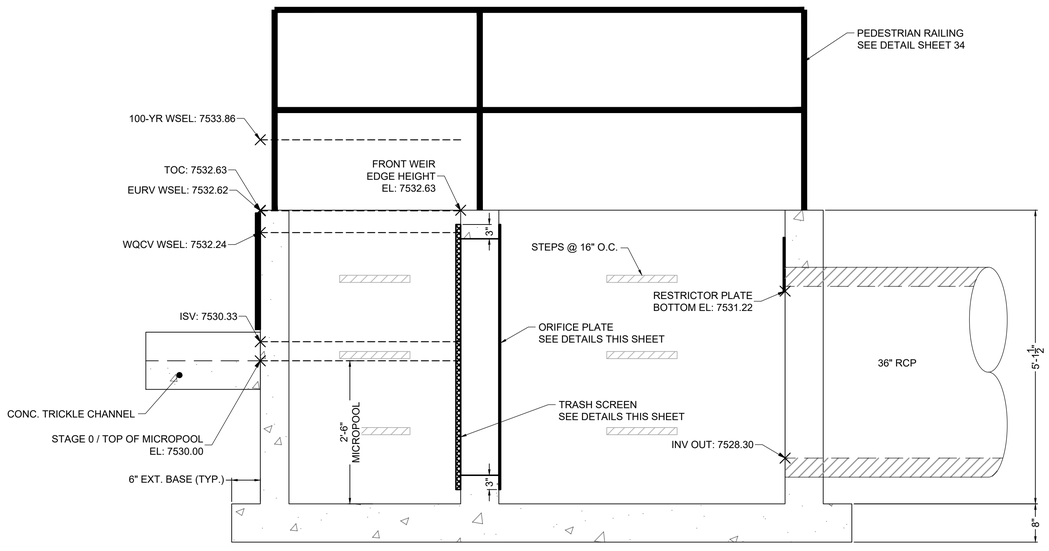
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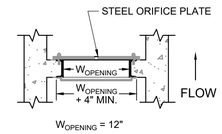


NOTE: EXTENDED BASE NOT SHOWN FOR CLARITY

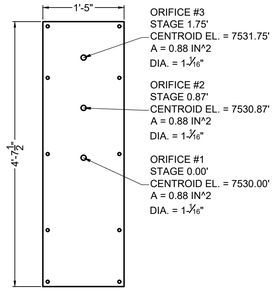
PLAN VIEW
POND C OUTLET STRUCTURE
SCALE: 1" = 1-1/4'



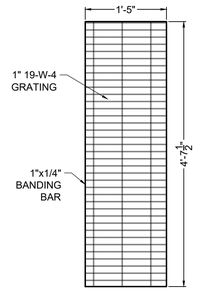
SECTION VIEW A-A
POND C OUTLET STRUCTURE
SCALE: 1" = 1-1/4'



DETAIL
TRASH SCREEN & ORIFICE PLATE
SCALE: NTS



ELEVATION VIEW
ORIFICE PLATE DETAIL
SCALE: 1" = 1-1/4'



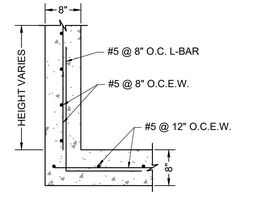
ELEVATION VIEW
TRASH SCREEN DETAIL
SCALE: 1" = 1-1/4'

TRASH SCREEN NOTES:

1. TRASH SCREEN SHALL BE JOHNSON STAINLESS STEEL WELL SCREEN WITH #93 VEE WIRE OR APPROVED EQUIVALENT AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. TRASH SCREEN OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
3. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR TRASH SCREEN FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

ORIFICE PLATE NOTES:

1. PLATE TO BE ¾" THICK GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE 16" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ORIFICE PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.



ELEVATION VIEW
OUTLET STRUCTURE REINFORCING DETAIL
SCALE: NTS

As-Built Document
PE Approval by: Richard D. Lyon
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PCD FILE NO.: SF2422

DRAWN BY:	CMD
APPROVED:	RDL
CAD DATE:	8/22/2024
CAD FILE:	J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Outlet_Structure_Details
JOB DATE:	11/26/24
JOB NUMBER:	211030.240

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1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
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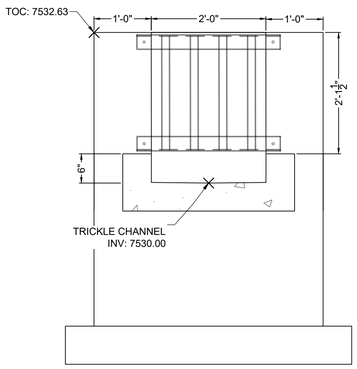
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POND DETAILS
POND C OUTLET STRUCTURE

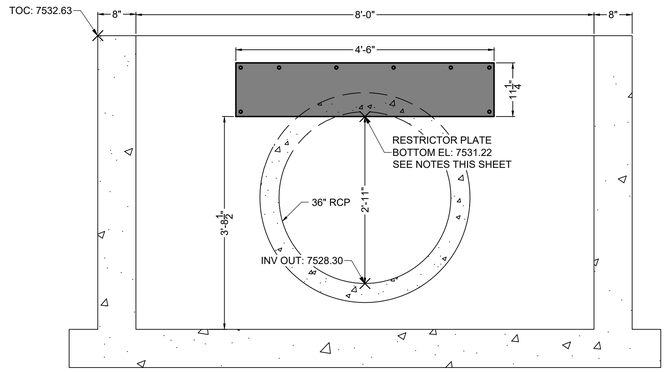
SHEET PND 33

HR GREEN Xrefs: xg-1-dh01-1030.240

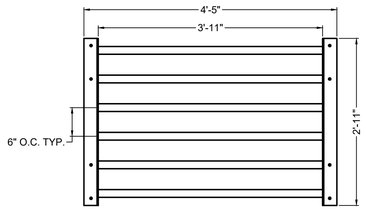
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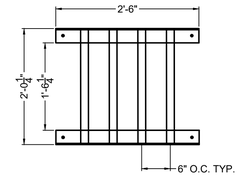
SECTION VIEW B–B
FRONT FACE
SCALE: 1" = 1–1/4'



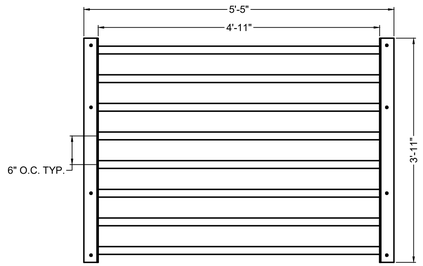
SECTION VIEW C–C
RESTRICTOR PLATE
SCALE: 1" = 1–1/4'



ELEVATION VIEW
MICROPOOL TOP GRATE
SCALE: 1" = 1–1/4'



ELEVATION VIEW
MICROPOOL FRONT GRATE
SCALE: 1" = 1–1/4'



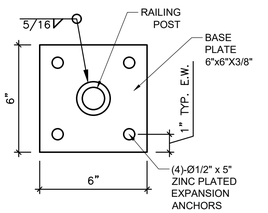
PLAN VIEW
SAFETY GRATE – QTY. 2
SCALE: 1" = 1–1/4'

TWO SIGNS SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS SHALL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND WITH THE BELOW MESSAGE.

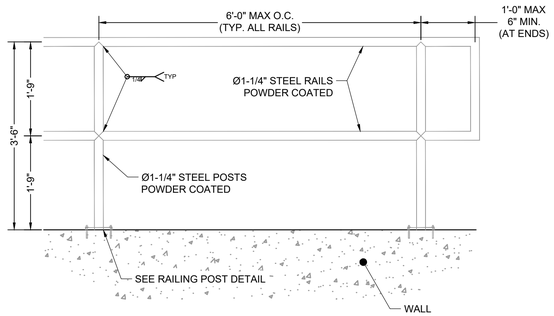
WARNING:
THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING

Minimum Sign Area: 3 sqft

POND WARNING SIGN DETAIL
SCALE: N.T.S.



DETAIL VIEW
PEDESTRIAN RAILING POST
SCALE: 3/4" = 1'



DETAIL VIEW
PEDESTRIAN RAILING
SCALE: 3/4" = 1'

SAFETY GRATES/TRASH RACK NOTES:

5. TRASH RACKS AND SAFETY GRATES SHALL BE 1-¼" SCH. 40 STEEL PIPE, @ 6" CENTERS BOUNDED BY 3"x3"x1/4" ANGLE IRON. ALL GRATES SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE.
6. REMOVABLE GRATE SECTIONS SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE AND PROVIDED WITH HINGED & LOCKABLE OR BOLTABLE ACCESS PANELS AS SHOWN ON THE PLANS.
7. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
8. STRUCTURAL STEEL FOR GRATES SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06.
9. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

RESTRICTOR PLATE NOTES:

1. ¾" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR RESTRICTOR PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
09/24/2026 12:59:23 PM

COLORADO LICENSED — RICHARD D. LYON — No. 53921 — PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

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HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

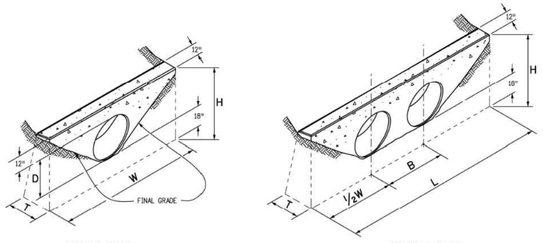
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EL PASO COUNTY, CO

POND DETAILS
POND C OUTLET STRUCTURE DETAILS

SHEET PND 34

HR GREEN Xrefs: xgi-1-dh01-1030.240

DOMBROWSKI, COLIN, 12/5/2024 5:00 PM



SINGLE PIPE DOUBLE PIPE

CONCRETE HEADWALL INSTALLATIONS

SEE STANDARD PLAN M-601-10 FOR REINFORCING DETAILS.

PIPE		PIPE DIAMETER (AND EQUIVALENT DIAMETER) (IN.)											
		18		24		30		36		42		48	
TYPE	MATERIAL	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE
CIRCULAR	RIGID	1.0	1.3	1.5	2.0	2.0	2.7	2.8	3.6	3.6	4.6	4.6	6.0
	FLEXIBLE	1.1	1.4	1.6	2.1	2.2	3.0	3.0	4.0	3.9	5.3	5.0	6.8
ELLIPTICAL	RIGID	23 x 14		30 x 19		38 x 24		45 x 29		53 x 34		60 x 38	
		0.9	1.2	1.3	1.6	1.7	2.2	2.3	2.9	2.9	3.7	3.5	4.4
ARCH	METAL	22 x 13		29 x 18		36 x 22		43 x 27		50 x 31		58 x 36	
		0.9	1.3	1.4	1.9	1.8	2.4	2.4	3.4	3.2	4.4	3.4	5.0

CONCRETE QUANTITIES FOR ONE CONCRETE HEADWALL (CUBIC YARDS)

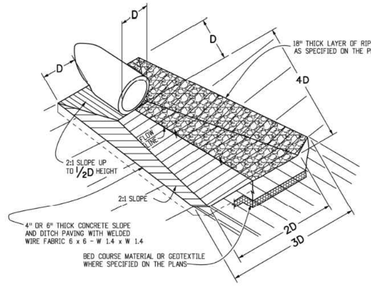
THICKNESS	MATERIAL	PIPE DIAMETER (IN.)					
		18	24	30	36	42	48
4"	CONCRETE	0.4	0.8	1.2			
6"	CONCRETE				2.6	3.6	4.7
18"	RIPRAP	2.0	3.5	5.4	7.8	10.7	13.9

PIPE OUTLET PAVING (CUBIC YARDS)

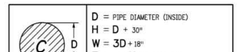
NOTE: VOLUME OCCUPIED BY PIPE HAS BEEN DEDUCTED.

GENERAL NOTES

1. FOR SIZE AND LOCATION OF PIPES, SEE THE PLANS.
2. ALL CONCRETE SHALL BE CLASS B.
3. FOOTINGS IN ROCK SHALL BE POURED OUT TO ROCK AND NOT FORMED IN ACCORDANCE WITH SUBSECTION 601.09(b).
4. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED ¾ IN.
5. HEADWALL SHALL HAVE REINFORCING STEEL INSTALLED IN A PATTERN SIMILAR TO STANDARD PLAN M-601-10.
6. THE COST OF REINFORCING STEEL SHALL BE INCLUDED IN THE WORK UNLESS THE STEEL QUANTITIES ARE LISTED IN THE PLANS AND ARE PAID FOR SEPARATELY.



PIPE OUTLET PAVING
MAY BE USED WITH MULTIPLE PIPES.



D = PIPE DIAMETER (INSIDE)
H = D + 30"
W = 3D + 18"
T = 0.4 H (NEAREST IN.)
B = 1.5 D (30" MINIMUM)
L = W + B

TYPE OF PIPE HEADWALL DIMENSIONS

D = EQUIVALENT CIRCULAR DIAMETER (INSIDE)
H = RISE + 30"
W = 3D + 18"
T = 0.4 H (NEAREST IN.)
B = 1.5 D (30" MINIMUM)
L = W + B

TYPE OF PIPE HEADWALL DIMENSIONS

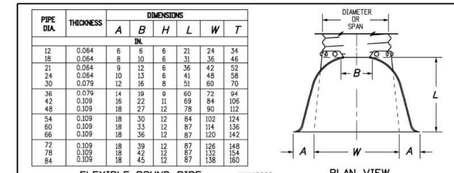
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Last Modification Date: 07/31/19	(K-X)		
Detailer Initials: LTA	(K-X)		
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	(K-X)		

Colorado Department of Transportation
2829 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868
Project Development Branch JBK

HEADWALLS AND PIPE OUTLET PAVING

Issued by the Project Development Branch: July 31, 2019

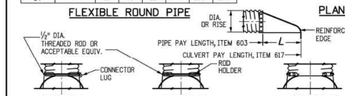
STANDARD PLAN NO.
M-601-12
Standard Sheet No. 1 of 1
Project Sheet Number:



PLAN VIEW

PIPE DIA.	THICKNESS	DIMENSIONS					
		A	B	H	L	W	T
		IN.					
12	0.064	6	6	6	21	24	34
18	0.064	8	10	6	31	36	46
21	0.064	9	12	6	36	42	52
24	0.064	10	13	6	41	48	58
30	0.079	12	16	8	51	60	70
36	0.079	14	19	9	60	72	84
42	0.109	16	22	11	69	84	106
48	0.109	18	27	12	78	90	112
54	0.109	18	30	12	84	102	124
60	0.109	18	33	12	87	114	136
66	0.109	18	36	12	87	120	142
72	0.109	18	39	12	87	126	148
78	0.109	18	42	12	87	132	154
84	0.109	18	45	12	87	138	160

FLEXIBLE ROUND PIPE



TYPE 1
FOR 18 IN. THRU 24 IN. ROUND PIPE WITH ANNULAR CORRUGATIONS. NOT TO BE USED ON HELICALLY-FORMED PIPE UNLESS RECORRUGATED.

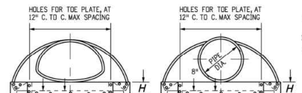
TYPE 2
FOR 30 IN. THRU 36 IN. ROUND PIPE WITH ANNULAR CORRUGATIONS. NOT TO BE USED ON HELICALLY-FORMED PIPE UNLESS RECORRUGATED.

TYPE 3
FOR 42 IN. THRU 84 IN. ROUND PIPE WITH ANNULAR CORRUGATIONS AND ALL SIZES WITH HELICAL CORRUGATIONS AND FOR ALL METAL PIPE ARCH CULVERTS. SHOP ATTACH A 24 IN. MIN. LENGTH OF ANNULAR PIPE WITH GALV. RIVETS OR BOLTS, SPOT WELDS, OR 2 IN. LONG SKIP WELDS ON 8 IN. CTRS.. REPAIR BURNT GALVANIZING IN ACCORDANCE WITH SUBSECTION 707.09.

TYPICAL CONNECTIONS

PIPE ARCH SPAN x RISE	THICKNESS	DIMENSIONS					
		A (21°)	B (MAX.)	H (31°)	L (21.5°)	W (32°)	T
		IN.					
21 x 15	0.064	7	10	6	23	36	46
24 x 18	0.064	8	12	6	28	42	52
28 x 20	0.064	9	14	6	32	48	58
35 x 24	0.079	10	16	8	39	60	70
42 x 29	0.079	12	18	8	46	75	85
49 x 33	0.109	13	21	9	53	85	103
57 x 38	0.109	18	26	12	63	90	108
64 x 43	0.109	18	30	12	70	102	120
71 x 47	0.109	18	33	12	77	114	132

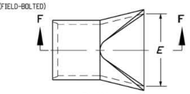
FLEXIBLE PIPE ARCH



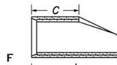
GENERAL NOTES

1. DIMENSIONS OF END SECTIONS MAY VARY SLIGHTLY FROM THOSE SHOWN ON THE TABLES DUE TO DIFFERENT MANUFACTURERS' CONFIGURATIONS.
2. CONCRETE END SECTIONS SHALL BE FURNISHED WITH TONGUE OR GROOVE AS REQUIRED.
3. DESIGN LENGTH OF PIPE OR SIDE DRAIN IS BASED ON LENGTH OF END SECTION SHOWN IN TABLE. ANY ADDITIONAL PIPE REQUIRED TO PROVIDE THE DESIGN LENGTH SHALL BE FURNISHED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.
4. THE INSIDE CONFIGURATION AND THE JOINT OF CONCRETE END SECTION AND PIPE SHALL MATCH.
5. END SECTIONS FOR CMP ARCH PIPE SHALL MATCH THE DIMENSIONS OF THE PIPE SHOWN ON THE PLANS.
6. GALVANIZED TOE PLATE AS SHOWN IS REQUIRED ON END SECTIONS FOR CORRUGATED STEEL PIPE AND SHALL BE THE SAME THICKNESS AS END SECTIONS. TOE PLATE SHALL BE FIELD-BOLTED TO END SECTION WITH ⅜ IN. GALVANIZED BOLTS, NUTS AND WASHERS.
7. GALVANIZED STEEL SHALL CONFORM TO AASHTO M 111, M 218 OR M 232.
8. CONCRETE PIPE JOINT FASTENERS, WHERE SHOWN ON PLANS, SHALL BE INSTALLED SO THAT A MINIMUM OF 15 LINEAR FEET OF THE OUTLET END OF THE PIPE ARE MECHANICALLY LOCKED TOGETHER. END SECTION LENGTHS WHEN USED, SHALL BE INCLUDED IN THE 15 LF REQUIREMENT.
9. CONNECTIONS OF METAL END SECTIONS TO PLASTIC PIPE SHALL BE APPROVED BY THE ENGINEER. PLASTIC END SECTIONS SHALL NOT BE USED.
10. THE END SECTION STYLE, EITHER REGULAR OR SAFETY, SHALL BE AS SHOWN ON THE PLANS.
11. AT THE OPTION OF THE CONTRACTOR AND APPROVAL OF THE CDOT PROJECT ENGINNER, REINFORCED CONCRETE END SECTIONS MAY BE MADE WITH SYNTHETIC FIBERS INSTEAD OF STEEL FOR PIPES 36 INCHES IN DIAMETER AND SMALLER, AND CONFORM TO AASHTO M 86 AND SUBSECTION 601.03.

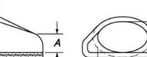
ELEVATIONS



SECTION F-F



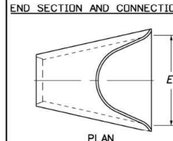
END VIEW



EQUIVALENT CIRCULAR DIA.	NOMINAL SPAN x RISE	DIMENSIONS				
		A	C	L	E	
		IN.				
24	30 x 19	9	33	72	48	
30	38 x 24	10	18	72	60	
36	45 x 29	12	24	84	72	
42	53 x 34	16	36	96	84	
48	60 x 38	21	36	96	84	
54	68 x 43	26	36	96	90	
60	76 x 48	30	36	96	96	

END SECTION FOR REINFORCED CONCRETE ELLIPTICAL PIPE

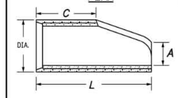
END SECTION AND CONNECTION DETAILS FOR ROUND AND ARCH METAL PIPES



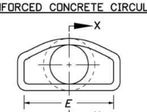
PLAN

PIPE I.D.	DIMENSIONS			
	A	C	L	E
	IN.			
18	10	48	78	36
24	10	48	78	48
30	14	36	96	60
36	18	36	96	72
42	24	36	96	78
48	28	24	96	84
54	30	36	96	90
60	36	36	96	96
72	34	20	06	108

REINFORCED CONCRETE CIRCULAR PIPE

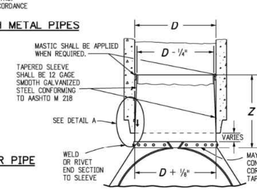


SECTION X-X



END VIEW

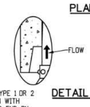
END SECTION FOR REINFORCED CONCRETE CIRCULAR PIPE



D	Z (MIN.)
IN.	
18 - 24	12
30 AND 36	16
42 AND LARGER	24

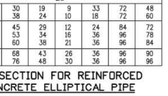
NOTE: METAL END SECTION SHALL BE FIRMLY WEDGED INTO PIPE END BEFORE BACKFILLING.

STEEL END SECTION FOR CONCRETE CIRCULAR PIPE
(ALTERNATIVE FOR CONCRETE END SECTION)



PLAN

DETAIL A



¾" GALVANIZED ANCHOR BOLTS, NUTS AND WASHERS, MILD STEEL, ASTM A 307. ROD LUG SHALL BE GALVANIZED OR COATED WITH EPOXY PAINT OR APPROVED EQUAL.

PIPE DIAMETER	F
IN.	
18 - 30	5
36 - 42	6
48 - 60	7
72 - 84	9

LOCATION OF 1" DIA. HOLES

CONCRETE JOINT FASTENER (TWO PER JOINT)

Computer File Information		Sheet Revisions	
Creation Date: 07/31/19		Date:	Comments
Designer Initials: JBK	(K-X)		
Last Modification Date: 07/31/19	(K-X)		
Detailer Initials: LTA	(K-X)		
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	(K-X)		

Colorado Department of Transportation
2829 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868
Project Development Branch JBK

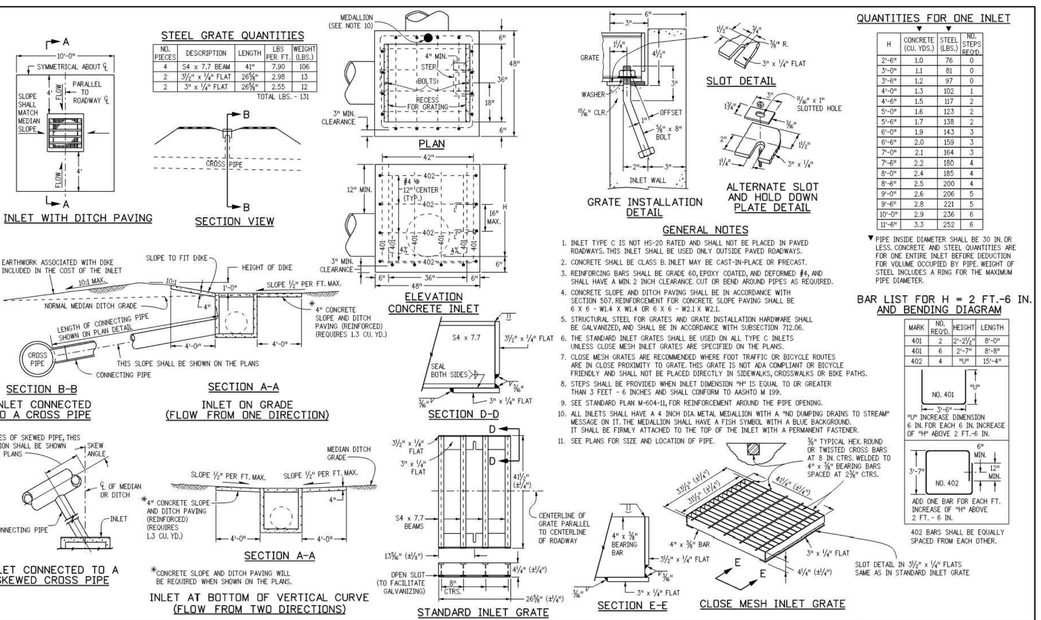
CONCRETE AND METAL END SECTIONS

Issued by the Project Development Branch: July 31, 2019

STANDARD PLAN NO.
M-603-10
Standard Sheet No. 1 of 1
Project Sheet Number:

STEEL GRATE QUANTITIES

NO. PIECES	DESCRIPTION	LENGTH	LBS PER FT.	WEIGHT (LBS.)
4	54 x 7.7 BEAM	41"	7.90	106
2	3½" x ¼" FLAT	265⅝"	2.38	13
2	3" x ¼" FLAT	265⅝"	2.55	12
TOTAL LBS. - 131				



GENERAL NOTES

1. INLET TYPE C IS NOT HS-20 RATED AND SHALL NOT BE PLACED IN PAVED ROADWAYS. THIS INLET SHALL BE USED ONLY OUTSIDE PAVED ROADWAYS.
2. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
3. REINFORCING BARS SHALL BE GRADE 60, EPOXY COATED, AND DEFORMED #4, AND SHALL HAVE A MIN. 2 INCH CLEARANCE. CUT OR BEND AROUND PIPES AS REQUIRED.
4. CONCRETE SLOPE AND DITCH PAVING SHALL BE IN ACCORDANCE WITH SECTION 507. REINFORCEMENT FOR CONCRETE SLOPE PAVING SHALL BE 6 X 6 - W1.4 X W1.4 OR 6 X 6 - W2.1 X W2.1.
5. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED, AND SHALL BE IN ACCORDANCE WITH SUBSECTION 712.06.
6. THE STANDARD INLET GRATES SHALL BE USED ON ALL TYPE C INLETS UNLESS CLOSE MESH INLET GRATES ARE SPECIFIED ON THE PLANS.
7. CLOSE MESH GRATES ARE RECOMMENDED WHERE FOOT TRAFFIC OR BICYCLE ROUTES ARE IN CLOSE PROXIMITY TO GRATE. THIS GRATE IS NOT ADA COMPLIANT OR BICYCLE FRIENDLY AND SHALL NOT BE PLACED DIRECTLY IN SIDEWALKS, CROSSWALKS OR BIKE PATHS.
8. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" IS EQUAL TO OR GREATER THAN 3 FEET - 6 INCHES AND SHALL CONFORM TO AASHTO M 199.
9. SEE STANDARD PLAN M-604-11, FOR REINFORCEMENT AROUND THE PIPE OPENING.
10. ALL INLETS SHALL HAVE A 4 INCH DIA. METAL MEDALLION WITH A "NO DUMPING DRAINS TO STREAM" MESSAGE ON IT. THE MEDALLION SHALL HAVE A FISH SYMBOL WITH A BLUE BACKGROUND. IT SHALL BE FIRMLY ATTACHED TO THE TOP OF THE INLET WITH A PERMANENT FASTENER.
11. SEE PLANS FOR SIZE AND LOCATION OF PIPE.

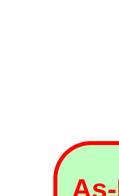
QUANTITIES FOR ONE INLET

H	CONCRETE (CU. YDS.)	STEEL (LBS.)	NO. STEPS REQD.
2'-6"▼	1.0	76	0
3'-0"▼	1.1	81	0
3'-6"▼	1.2	97	0
4'-0"▼	1.3	102	1
4'-6"▼	1.5	117	2
5'-0"▼	1.6	123	2
5'-6"▼	1.7	138	2
6'-0"▼	1.9	143	3
6'-6"▼	2.0	159	3
7'-0"▼	2.1	164	3
7'-6"▼	2.2	180	4
8'-0"▼	2.4	185	4
8'-6"▼	2.5	200	4
9'-0"▼	2.6	206	5
9'-6"▼	2.8	221	5
10'-0"▼	2.9	236	6
11'-6"▼	3.3	252	6

▼ PIPE INSIDE DIAMETER SHALL BE 30 IN. OR LESS. CONCRETE AND STEEL QUANTITIES ARE FOR ONE ENTIRE INLET BEFORE DEDUCTION FOR VOLUME OCCUPIED BY PIPE. WEIGHT OF STEEL INCLUDES A RING FOR THE MAXIMUM PIPE DIAMETER.

BAR LIST FOR H = 2 FT.-6 IN. AND BENDING DIAGRAM

MARK	NO. REQ'D.	WEIGHT	LENGTH
401	2	2'-2½"	8'-0"
401	6	2'-7"	8'-8"
402	4	"H"	15'-4"



402 BARS SHALL BE EQUALLY SPACED FROM EACH OTHER.

Computer File Information		Sheet Revisions	
Creation Date: 07/31/19		Date:	Comments
Designer Initials: JBK	(K-X)		
Last Modification Date: 07/31/19	(K-X)		
Detailer Initials: LTA	(K-X)		
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	(K-X)		

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Project Development Branch JBK

INLET, TYPE C

Issued by the Project Development Branch: July 31, 2019

STANDARD PLAN NO.
M-604-10
Standard Sheet No. 1 of 1
Project Sheet Number:

As-Built Document
PE Approval by: Richard D. Lyon
(Stamp Appended on this Plan Sheet)
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COLORADO LICENSED — RICHARD D. LYON — No. 53921 — PROFESSIONAL ENGINEER — 01/02/2020

PCD FILE NO.: SF2422

HR GREEN Xrefs: xgl-1-dh01-1030.240

DRAWN BY: CMD JOB DATE: 11/1/2024
APPROVED: RDL JOB NUMBER: 211030.240
CAD DATE: 10/30/2024
CAD FILE: J:\2021\211030\CAD\Dwgs\C\Filing_No_4\Storm_Details

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

HRGreen

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

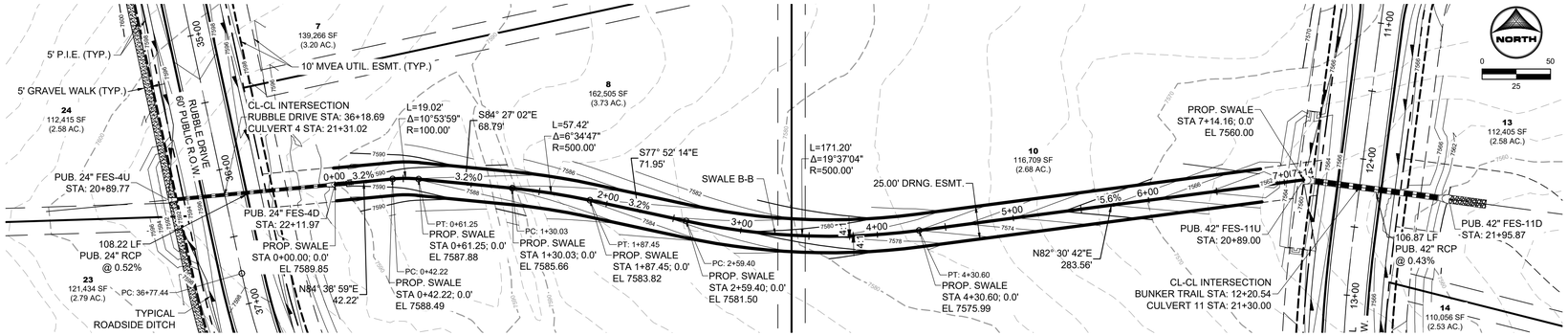
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PRI #2, LLC.
EL PASO COUNTY, CO

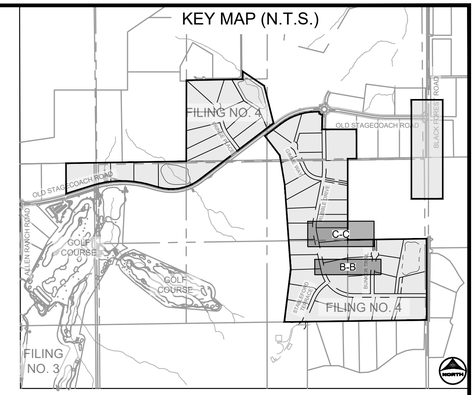
STORM DETAILS
STORM DETAILS

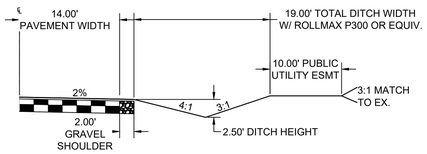
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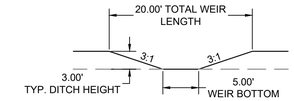




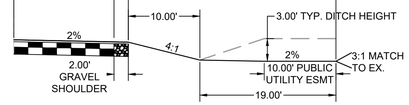
TYPICAL ROADSIDE DITCH SECTION

SCALE: 1"=10'

(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)



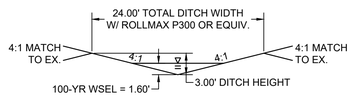
WEIR FRONT FACING SECTION VIEW
FOR DITCH OUTFALL LOCATIONS



WEIR PROFILE SECTION VIEW

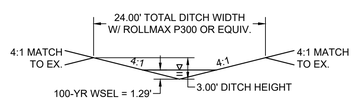
ROADSIDE DITCH OUTFALL WEIR

SCALE: 1"=10'



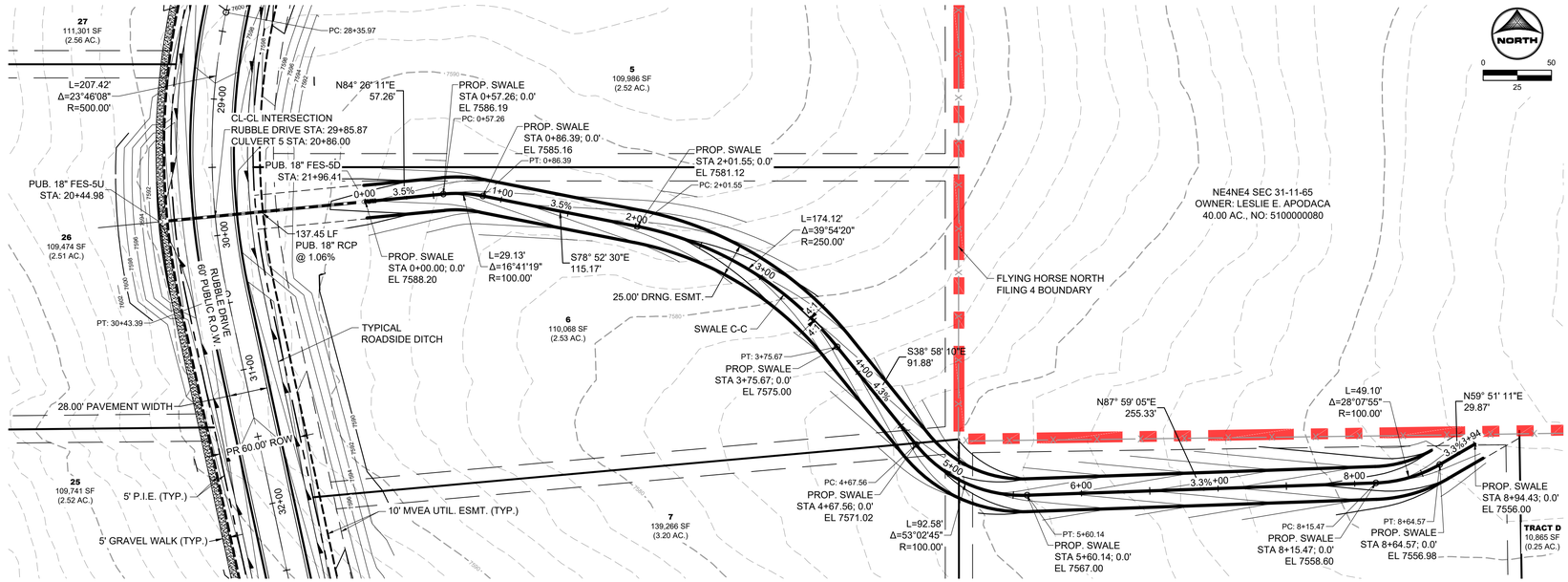
SWALE B-B SECTION

SCALE: 1"=10'



SWALE C-C SECTION

SCALE: 1"=10'



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PE Approval by: Richard D Lyon
(Stamp Appended on this Plan Sheet)
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COLORADO LICENSED
RICHARD D. LYON
53921
PROFESSIONAL ENGINEER

PCD FILE NO.: SF2422

DRAWN BY:	CMD	JOB DATE:	12/2/2024
APPROVED:	RDL	JOB NUMBER:	211030.240
CAD DATE:	12/5/2024		
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BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1"
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1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

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PRI #2, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
PROPOSED SWALE GRADING

SHEET
GR
36

HR GREEN Xrefs: xv=cw-1030; xv=dsgn-1030; key_map; modified_ditch_sections; xc=cw-030.240; xc=dsgn-240; xg=-1-dh01-1030.240